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LCD TV

SERVICE MANUAL

CHASSIS : AL-04DA

MODEL : 32LX2D-UA

CAUTION

BEFORE SERVICING THE CHASSIS,
READ THE SAFETY PRECAUTIONS IN THIS MANUAL.



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SAFETY PRECAUTIONS

IMPORTANT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified by \triangle in the Schematic Diagram and Replacement Parts List.

It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent X-RADIATION, Shock, Fire, or other Hazards.

Do not modify the original design without permission of manufacturer.

General Guidance

An **isolation Transformer should always be used** during the servicing of a receiver whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks.

It will also protect the receiver and its components from being damaged by accidental shorts of the circuitry that may be inadvertently introduced during the service operation.

If any fuse (or Fusible Resistor) in this TV receiver is blown, replace it with the specified.

When replacing a high wattage resistor (Oxide Metal Film Resistor, over 1W), keep the resistor 10mm away from PCB.

Keep wires away from high voltage or high temperature parts.

X-RAY Radiation

Warning:

The source of X-RAY RADIATION in this TV receiver is the High Voltage Section and the LCD PANEL.

For continued X-RAY RADIATION protection, the replacement panel must be the same type panel as specified in the Replacement Parts List.

To determine the presence of high voltage, use an accurate high impedance HV meter.

Adjust brightness, color, contrast controls to minimum.

Measure the high voltage.

The meter reading should indicate

23.5 \pm 1.5KV: 14-19 inch, 26 \pm 1.5KV: 19-21 inch,

29.0 \pm 1.5KV: 25-29 inch, 30.0 \pm 1.5KV: 32 inch

If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure.

Before returning the receiver to the customer,

always perform an **AC leakage current check** on the exposed metallic parts of the cabinet, such as antennas, terminals, etc., to be sure the set is safe to operate without damage of electrical shock.

Leakage Current Cold Check(Antenna Cold Check)

With the instrument AC plug removed from AC source, connect an electrical jumper across the two AC plug prongs. Place the AC switch in the on position, connect one lead of ohm-meter to the AC plug prongs tied together and touch other ohm-meter lead in turn to each exposed metallic parts such as antenna terminals, phone jacks, etc.

If the exposed metallic part has a return path to the chassis, the measured resistance should be between 1M Ω and 5.2M Ω .

When the exposed metal has no return path to the chassis the reading must be infinite.

An other abnormality exists that must be corrected before the receiver is returned to the customer.

Leakage Current Hot Check (See below Figure)

Plug the AC cord directly into the AC outlet.

Do not use a line Isolation Transformer during this check.

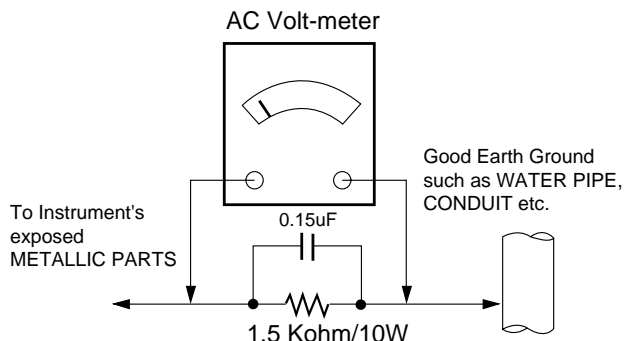
Connect 1.5K/10watt resistor in parallel with a 0.15uF capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.

Measure the AC voltage across the resistor using AC voltmeter with 1000 ohms/volt or more sensitivity.

Reverse plug the AC cord into the AC outlet and repeat AC voltage measurements for each exposed metallic part. Any voltage measured must not exceed 0.75 volt RMS which corresponds to 0.5mA.

In case any measurement is out of the limits specified, there is possibility of shock hazard and the set must be checked and repaired before it is returned to the customer.

Leakage Current Hot Check circuit



SERVICING PRECAUTIONS

CAUTION: Before servicing receivers covered by this service manual and its supplements and addenda, read and follow the *SAFETY PRECAUTIONS* on page 3 of this publication.

NOTE: If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions on page 3 of this publication, always follow the safety precautions. Remember: Safety First.

General Servicing Precautions

1. Always unplug the receiver AC power cord from the AC power source before;
 - a. Removing or reinstalling any component, circuit board module or any other receiver assembly.
 - b. Disconnecting or reconnecting any receiver electrical plug or other electrical connection.
 - c. Connecting a test substitute in parallel with an electrolytic capacitor in the receiver.**CAUTION:** A wrong part substitution or incorrect polarity installation of electrolytic capacitors may result in an explosion hazard.

2. Test high voltage only by measuring it with an appropriate high voltage meter or other voltage measuring device (DVM, FETVOM, etc) equipped with a suitable high voltage probe. Do not test high voltage by "drawing an arc".

3. Do not spray chemicals on or near this receiver or any of its assemblies.

4. Unless specified otherwise in this service manual, clean electrical contacts only by applying the following mixture to the contacts with a pipe cleaner, cotton-tipped stick or comparable non-abrasive applicator; 10% (by volume) Acetone and 90% (by volume) isopropyl alcohol (90%-99% strength)

CAUTION: This is a flammable mixture.

Unless specified otherwise in this service manual, lubrication of contacts is not required.

5. Do not defeat any plug/socket B+ voltage interlocks with which receivers covered by this service manual might be equipped.
6. Do not apply AC power to this instrument and/or any of its electrical assemblies unless all solid-state device heat sinks are correctly installed.
7. Always connect the test receiver ground lead to the receiver chassis ground before connecting the test receiver positive lead.

Always remove the test receiver ground lead last.

8. Use with this receiver only the test fixtures specified in this service manual.

CAUTION: Do not connect the test fixture ground strap to any heat sink in this receiver.

Electrostatically Sensitive (ES) Devices

Some semiconductor (solid-state) devices can be damaged easily by static electricity. Such components commonly are called *Electrostatically Sensitive (ES) Devices*. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed to prevent potential shock reasons prior to applying power to the

unit under test.

2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static type solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
CAUTION: Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device.)

General Soldering Guidelines

1. Use a grounded-tip, low-wattage soldering iron and appropriate tip size and shape that will maintain tip temperature within the range or 500 °F to 600 °F.
2. Use an appropriate gauge of RMA resin-core solder composed of 60 parts tin/40 parts lead.
3. Keep the soldering iron tip clean and well tinned.
4. Thoroughly clean the surfaces to be soldered. Use a mall wire-bristle (0.5 inch, or 1.25cm) brush with a metal handle. Do not use freon-propelled spray-on cleaners.
5. Use the following unsoldering technique
 - a. Allow the soldering iron tip to reach normal temperature. (500 °F to 600 °F)
 - b. Heat the component lead until the solder melts.
 - c. Quickly draw the melted solder with an anti-static, suction-type solder removal device or with solder braid.
CAUTION: Work quickly to avoid overheating the circuitboard printed foil.
6. Use the following soldering technique.
 - a. Allow the soldering iron tip to reach a normal temperature (500 °F to 600 °F)
 - b. First, hold the soldering iron tip and solder the strand against the component lead until the solder melts.
 - c. Quickly move the soldering iron tip to the junction of the component lead and the printed circuit foil, and hold it there only until the solder flows onto and around both the component lead and the foil.
CAUTION: Work quickly to avoid overheating the circuit board printed foil.
- d. Closely inspect the solder area and remove any excess or splashed solder with a small wire-bristle brush.

IC Remove/Replacement

Some chassis circuit boards have slotted holes (oblong) through which the IC leads are inserted and then bent flat against the circuit foil. When holes are the slotted type, the following technique should be used to remove and replace the IC. When working with boards using the familiar round hole, use the standard technique as outlined in paragraphs 5 and 6 above.

Removal

1. Desolder and straighten each IC lead in one operation by gently prying up on the lead with the soldering iron tip as the solder melts.
2. Draw away the melted solder with an anti-static suction-type solder removal device (or with solder braid) before removing the IC.

Replacement

1. Carefully insert the replacement IC in the circuit board.
2. Carefully bend each IC lead against the circuit foil pad and solder it.
3. Clean the soldered areas with a small wire-bristle brush.
(It is not necessary to reapply acrylic coating to the areas).

"Small-Signal" Discrete Transistor

Removal/Replacement

1. Remove the defective transistor by clipping its leads as close as possible to the component body.
2. Bend into a "U" shape the end of each of three leads remaining on the circuit board.
3. Bend into a "U" shape the replacement transistor leads.
4. Connect the replacement transistor leads to the corresponding leads extending from the circuit board and crimp the "U" with long nose pliers to insure metal to metal contact then solder each connection.

Power Output, Transistor Device

Removal/Replacement

1. Heat and remove all solder from around the transistor leads.
2. Remove the heat sink mounting screw (if so equipped).
3. Carefully remove the transistor from the heat sink of the circuit board.
4. Insert new transistor in the circuit board.
5. Solder each transistor lead, and clip off excess lead.
6. Replace heat sink.

Diode Removal/Replacement

1. Remove defective diode by clipping its leads as close as possible to diode body.
2. Bend the two remaining leads perpendicular y to the circuit board.
3. Observing diode polarity, wrap each lead of the new diode around the corresponding lead on the circuit board.
4. Securely crimp each connection and solder it.
5. Inspect (on the circuit board copper side) the solder joints of the two "original" leads. If they are not shiny, reheat them and if necessary, apply additional solder.

Fuse and Conventional Resistor

Removal/Replacement

1. Clip each fuse or resistor lead at top of the circuit board hollow stake.
2. Securely crimp the leads of replacement component around notch at stake top.
3. Solder the connections.

CAUTION: Maintain original spacing between the replaced component and adjacent components and the circuit board to prevent excessive component temperatures.

Circuit Board Foil Repair

Excessive heat applied to the copper foil of any printed circuit board will weaken the adhesive that bonds the foil to the circuit board causing the foil to separate from or "lift-off" the board. The following guidelines and procedures should be followed whenever this condition is encountered.

At IC Connections

To repair a defective copper pattern at IC connections use the following procedure to install a jumper wire on the copper pattern side of the circuit board. (Use this technique only on IC connections).

1. Carefully remove the damaged copper pattern with a sharp knife. (Remove only as much copper as absolutely necessary).
2. carefully scratch away the solder resist and acrylic coating (if used) from the end of the remaining copper pattern.
3. Bend a small "U" in one end of a small gauge jumper wire and carefully crimp it around the IC pin. Solder the IC connection.
4. Route the jumper wire along the path of the out-away copper pattern and let it overlap the previously scraped end of the good copper pattern. Solder the overlapped area and clip off any excess jumper wire.

At Other Connections

Use the following technique to repair the defective copper pattern at connections other than IC Pins. This technique involves the installation of a jumper wire on the component side of the circuit board.

1. Remove the defective copper pattern with a sharp knife.
Remove at least 1/4 inch of copper, to ensure that a hazardous condition will not exist if the jumper wire opens.
2. Trace along the copper pattern from both sides of the pattern break and locate the nearest component that is directly connected to the affected copper pattern.
3. Connect insulated 20-gauge jumper wire from the lead of the nearest component on one side of the pattern break to the lead of the nearest component on the other side.
Carefully crimp and solder the connections.

CAUTION: Be sure the insulated jumper wire is dressed so the it does not touch components or sharp edges.

SPECIFICATION

NOTE : Specifications and others are subject to change without notice for improvement.

1. Application range

This specification is applied to AL-04DA chassis.

2. Requirement for Test

Testing for standard of each part must be followed in below condition.

- (1) Temperature: 20°C ± 5°C
- (2) Humidity : 65 ± 10%
- (3) Power: Standard input voltage (AC 110-240V, 50/60Hz)
*Standard Voltage of each product is marked by models
- (4) Specification and performance of each parts are followed each drawing and specification by part number in accordance with BOM
- (5) The receiver must be operated for about 20 minutes prior to the adjustment.

3. Test and Inspection Method

3.1 Performance : LGE TV test method followed.

3.2 Demanded other specification.

EMC : FCC, ICES, IEC specification

SAFETY : UL, CSA, IEC specification

4. General Specification

No	Item	Specification	Remark
1.	Receiving System	ATSC/64 & 256 QAM/ NTSC-M	
2.	Available Channel	1) VHF : 02~13 2) UHF : 14~69 3) DTV : 02-69 4) CATV : 01~135 5) CADTV : 01~135	
3.	Input Voltage	1) AC 100 ~ 260V 50/60Hz	32LX1D: 120V, 60Hz
4.	Market	NORTH AMERICA	
5.	Screen Size	32 inch Wide	
6.	Aspect Ratio	16:9	
7.	Tuning System	FS	
8.	LCD Module	LC320W01-A6K3 (1366 x 768)	LPL
9.	Operating Environment	1) Temp : 0 ~ 40 deg 2) Humidity : ~ 80 %	
10.	Storage Environment	1)Temp : -20 ~ 60 deg 2) Humidity : 0 ~ 90 %	

5. External Input Format

Component Video Input (Y, C_B/P_B, C_R/P_R)

No	Resolution	H-freq(kHz)	V-freq.(kHz)	Pixel clock	Proposed
1	640 x 480	15.73	60		SDTV ,DVD 480I
2	704 x 480	31.47	59.94		SDTV 480P
3	1280 x 720	45.00	60.00		HDTV 720P
4	1280 x 720	44.96	59.94		HDTV 720P
5	1920 x 1080	33.75	60.00		HDTV 1080I
6	1920 x 1080	33.72	59.94		HDTV 1080I

RGB Input (PC/DTV)

No	Resolution	H-freq(kHz)	V-freq.(Hz)	Pixel clock(MHz)	Proposed	
	PC					DDC
1	640*350	31.468	70.09	25.17	EGA	O
2	640*350	37.861	85.08	31.50	EGA	O
3	720*400	31.469	70.08	28.32	DOS	O
5	640*480	31.469	59.94	25.17	VESA(VGA)	O
6	640*480	37.861	72.80	31.50	VESA(VGA)	O
7	640*480	37.500	75.00	31.50	VESA(VGA)	O
9	800*600	35.156	56.25	36.00	VESA(SVGA)	O
10	800*600	37.879	60.31	40.00	VESA(SVGA)	O
11	800*600	48.077	72.18	50.00	VESA(SVGA)	O
12	800*600	46.875	75.00	49.50	VESA(SVGA)	O
14	1024*768	48.363	60.00	65.00	VESA(XGA)	O
15	1024*768	56.476	70.06	75.00	VESA(XGA)	O
16	1024*768	60.023	75.02	78.75	VESA(XGA)	O
	DTV					
17	704*480	31.47	59.94		SDTV 480P	
18	1280*720	45.00	60.00		HDTV 720P	
19	1280*720	44.96	59.94		HDTV 720P	
20	1920*1080	33.75	60.00		HDTV 1080I	
21	1920*1080	33.72	59.94		HDTV 1080I	

HDMI Input (PC/DTV)

No	Resolution	H-freq(kHz)	V-freq.(Hz)	Pixel clock(MHz)	Proposed	
1	PC DDC					
2	640*480	31.469	59.94	25.17	VESA(VGA)	O
3	640*480	37.861	72.80	31.50	VESA(VGA)	O
4	640*480	37.500	75.00	31.50	VESA(VGA)	O
5	800*600	35.156	56.25	36.00	VESA(SVGA)	O
6	800*600	37.879	60.31	40.00	VESA(SVGA)	O
7	800*600	48.077	72.18	50.00	VESA(SVGA)	O
8	800*600	46.875	75.00	49.50	VESA(SVGA)	O
9	1024*768	48.363	60.00	65.00	VESA(XGA)	O
10	1024*768	56.476	70.06	75.00	VESA(XGA)	O
11	1024*768	60.023	75.02	78.75	VESA(XGA)	O
	DTV					
12	720*480	31.500	60	27.03	SDTV 480P	O
13	720*480	31.469	59.94	27.00	SDTV 480P	O
14	1280*720	45.000	60.00	74.25	HDTV 720P	O
15	1280*720	44.955	59.94	74.175	HDTV 720P	O
16	1920*1080	33.750	60.00	74.175	HDTV 1080I	O
17	1920*1080	33.716	59.94	74.25	HDTV 1080I	O

EDID data (HDMI) e Will be changed !!!

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
00	00	FF	FF	FF	FF	FF	FF	00	1E	6D	01	00	01	01	01	01
10	00	0E	01	03	80	46	28	96	0A	FB	2C	A3	57	47	9A	25
20	10	48	4B	AF	CE	00	31	4F	45	4F	61	4F	01	01	01	01
30	01	01	01	01	01	01	64	19	00	40	41	00	26	30	18	88
40	36	00	BA	88	21	00	00	18	00	00	00	FD	00	38	4B	1E
50	3D	08	00	0A	20	20	20	20	20	20	00	00	00	FC	00	33
60	32	4C	58	31	44	2D	55	0A	20	20	20	20	00	00	00	00
70	00	00	00	00	00	00	00	00	00	00	00	00	00	00	01	E8
	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
00	02	03	13	F1	44	84	05	03	02	23	15	07	50	65	03	0C
10	00	10	00	01	1D	00	72	51	D0	1E	20	DC	28	45	04	BA
20	88	21	00	00	1E	01	1D	80	18	71	1C	16	20	94	2C	F5
30	00	BA	88	21	00	00	1E	8C	0A	D0	8A	20	E0	2D	10	3C
40	3E	E6	04	BA	88	21	00	00	18	8C	0A	D0	8A	20	E0	2D
50	10	3C	3E	E6	04	BA	88	21	00	00	18	00	00	00	00	00
60	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
70	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	8E

EDID data (RGB)

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
00	00	FF	FF	FF	FF	FF	FF	00	1E	6D	5D	46	01	01	01	01
10	07	0F	01	03	68	46	28	96	0A	FB	2C	A3	57	47	9A	25
20	10	48	4B	AF	CE	00	31	4F	45	4F	61	4F	01	01	01	01
30	01	01	01	01	01	01	C3	1E	00	20	41	00	20	30	10	60
40	36	00	BC	88	21	00	00	18	00	00	00	FD	00	38	4B	1E
50	3D	08	00	0A	20	20	20	20	20	20	00	00	00	FC	00	33
60	32	4C	58	31	44	2D	55	0A	20	20	20	20	00	00	00	00
70	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	55

6. General spec(Module)

No	Item		Min	Typ	Max	Unit	Remark
1	Active Screen Size			800.4(diagonal)		mm	31.51 inches
2	Outline Dimension			760(H) x 450(V) x 48(D)		mm	Typ.
3	Pixel Pitch			170.25 x 510.75 x RGB		μm	
4	Pixel Format			1366(H)x768(V) RGB stripe arrangement			
5	Color Depth			8bit 16.7		Mbit	
6	Luminance ,White			500		cd/m2	Center 1 point
7	Viewing Angle (CR>10)			R/L 176(Typ),U/P 176(Typ)		degree	
8	Power Consumption			89.5		Watt	Typ.
9	Weight			7.2		kg	
10	Display Operating Mode			Transmissive mode ,normally black			
11	Surface Treatment			Hard coating (3H), Anti-glare treatment			
12	Altitude	Operating		0 - 14,000		feet	4,267.2 m
		Storage/Shipment		0 - 40,000		feet	12,192.0 m
13	Lamp Life Time			50,000 (min.)		Hrs	25±2°C

ADJUSTMENT INSTRUCTION

1. Applicability

These specifications are applicable for all LCD TV models with an AL-04DA chassis that are manufactured by the Manufacturing Group of the Display Business Division, or any of its related manufacturers.

2. Specifications

2.1 This chassis is the non-charging type chassis for which the power unit is insulated. Therefore, the insulated type transformer is not required but it is recommended that it be used between the power supply line and chassis input side before running the chassis, in order to protect the adjustment equipment.

2.2 Adjustment should be made in the correct sequence. However, the order can be changed for mass production purposes.

2.3 The suggested surrounding temperature is $25\pm 5^{\circ}\text{C}$, and suggested relative humidity is $65\pm 10\%$ for the adjustment of the chassis, unless specified.

2.4 The input voltage should be maintained at 110V and 60MHz.

2.5 The receiver should run for about 15 minutes before starting adjustment, unless specified.

- Run prior operation after receiving 100% White pattern (06CH).
(OR, 9. White Pattern state in Ez-Adjust.)

- How to enter into the White Pattern

- 1) Press the Power ON key in the adjustment remote control.

- 2) Or, press the ADJ key on the adjustment remote control to enter into Ez-Adjust and select 9. White Pattern using CH +/- key. Then, press the OK (■) key to display 100% Full White Pattern.

* In this mode, the SET can be put on HEAT RUN without a separate signal generator.

Note) If you leave the stop image on for more than 20 minutes, you must be careful because an afterimage will appear on the black level section. (Applies to internal digital pattern (13CH) and cross hatch pattern (09CH) with clear black/white contrast, in particular).

3. Full assembly process adjustment

<Precaution>

Each PCB assembly must be checked using the check jig set before the full assembly process. (The power PCB assembly can damage the LCD module irreparably.)

3.1. Extended Display Identification Data (EDID) and Display Data Channel (DDC) download

3.1.1 Overview

Developed by VESA, the EDID function is designed to support the "plug & play" function, which enables the computer to configure the user environment automatically through communication with the monitor.

3.1.2 Entering the HDMI EDID Data

1) Equipment

- PC and DDC adjustment jig (PC serial to D-sub connection device)
- DDC recording software (EDID data write & read)
- D-Sub terminal
- Need separate HDMI cable connection jig.

3.2. Adjusting AD9883A-Set

3.2.1. Overview

AD9883A-Set adjustment automatically sets the optimal black level, and readjusts the RGB differences in analog -> digital converter. Adjustment is made separately for the component mode and RGB-DTV mode input.

3.2.2. Equipment

Adjustment remote control: 801GF (802B, 802F, 802R) or MSPG925FA Pattern Generator (It should support 720P horizontal 100% color bar pattern display, and the output level should be accurately corrected to $0.7\pm 0.1\text{Vp-p}$.)

Adjustment pattern: 720P/60Hz HozBar Pattern (Format No. 217, Pattern No. 65)

3.2.3 Signal input method

Connect the component output and RGB D-Sub output of the Pattern Generator to the component 1 and RGB D-Sub jack of the set.

3.2.4. Adjustment method

- A) When entering the component, input 100% Horizontal Color Bar Pattern (HozTV30Bar) of the supportable 720P mode, and select Component 1 or Component 2 input, and select Normal image.
- B) Wait for at least one second after receiving the signal and press the ADJ key on the adjustment remote control to enter into Ez-Adjust. Then, select "1. AD9883A-Set" and press the + key for automatic adjustment.
- C) If adjustment is completed successfully, the "AD9883A Component Success" message will be displayed. Otherwise, the "AD9883A Configuration Error" message will be displayed.
- D) If the adjustment for component AD9883A is finished, it will automatically switch to RGB-DTV mode, and the above-mentioned pattern will be displayed. If adjustment is successfully completed, "AD9883A RGB_DTV Success" message will be displayed.
- E) If adjustment is not completed successfully, check the pattern or adjustment condition and try again.
- F) If adjustment is completed successfully, press the ADJ key to exit from the adjustment mode.

3.3. Adjusting White Balance

3.3.1 Equipment

- Color Analyzer (CA-100 or equivalent item)
- Automatic adjustment device (Needed for automatic adjustment. It should support RS-232C communication, Baud rate: 115,600)
- Pattern Generator (MSPG-925FA): Equipment with DVI output.
- Pattern: High light 80% Full White

3.3.2 Measurer Connection Diagram (Automatic adjustment)

Connection diagram for 32LX1D-U automatic adjustment

Note) RS-232C Commands used for automatic adjustment.

3.3.3. Manual White Balance Adjustment

When adjusting after carrying out zero calibration for CA-100, the sensor should be tightly fixed on the LCD module surface. Take the following steps for manual adjustment.

- A) Press the ADJ key on the adjustment remote control to enter into "Ez-Adjust."
- B) Select "9. White Pattern" using CH +/- key and press the OK key. Then, perform Heat Run for more than 30 minutes.
- C) Make the Digital Pattern Generator supply Full White Pattern signal.
(Connect the external input to "HDMI".)
- D) Fix the sensor to the screen center and press the ADJ key on the adjustment remote control to select "6. White balance" in "Ez-Adjust". Then, press the right direction key (▶) to enter into the adjustment mode.
- E) Adjust the high light using R Gain, G Gain, and B Gain.
- F) Use Volume +/- key for adjustment.

3.3.4. Adjustment Target value

- Brightness value
- Target value
X coordinate value / Y coordinate value /
White Balanc / Special items.

3.4 Video (uPD) - Automatic Set Adjustment

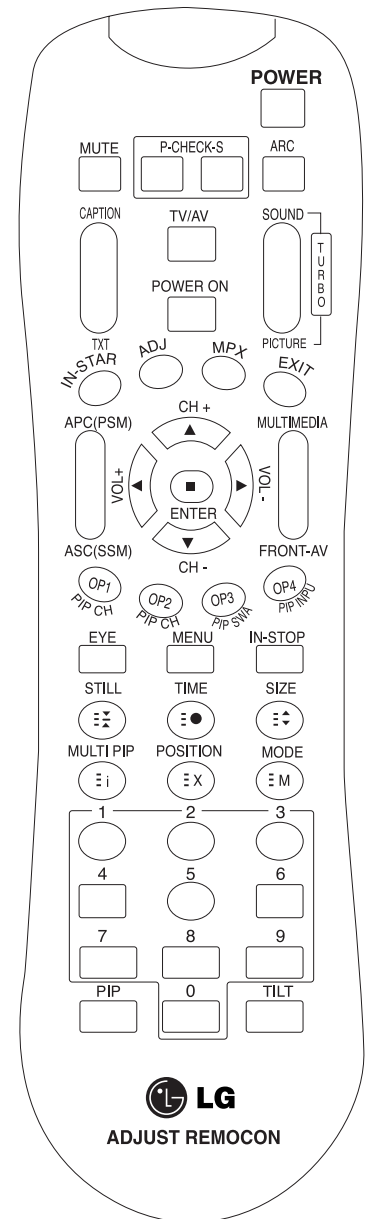
This automatic adjustment function narrows the color difference between the main and sub screen of the RF and video signal. Adjustment is made for both RF mode and video 1 mode. The signal source of RF is internal 02Ch, and the signal source for video 1 is 100% full color bar.

3.5 RS232C Operation Check

Press In-start in the adjustment remote control and enter '6. Baud Rate' menu. Then, change the baud rate to 9600 and check RS232C operation.

SVC REMOCON

NO	KEY	FUNTION	REAMARK
1	POWER	To turn the TV on or off	
2	POWER ON	To turn the TV on automatically if the power is supplied to the TV. (Use the POWER key to deactivate): It should be deactivated when delivered.	
3	MUTE	To activate the mute function.	
4	P-CHECK	To check TV screen image easily.	Shortcut keys
5	S-CHECK	To check TV screen sound easily	Shortcut keys
6	ARC	To select size of the main screen (Normal, Spectacle, Wide or Zoom)	Shortcut keys
7	CAPTION	Switch to closed caption broadcasting	
8	TXT	To toggle on/off the teletext mode	
9	TV/AV	To select an external input for the TV screen	
10	TURBO SOUND	To start turbo sound	
11	TURBO PICTURE	To start turbo picture	
12	IN-START	To enter adjustment mode when manufacturing the TV sets.	Use the AV key to enter the screen W/B adjustment mode.
		To adjust the screen voltage (automatic): In-start → mute → Adjust → AV(Enter into W/B adjustment mode)	
		W/B adjustment (automatic): After adjusting the screen →W/B adjustment →Exit two times (Adjustment completed)	
13	ADJ	To enter into the adjustment mode. To adjust horizontal line and sub-brightness.	
14	MPX	To select the multiple sound mode (Mono, Stereo or Foreign language)	
15	EXIT	To release the adjustment mode	
16	APC(PSM)	To easily adjust the screen according to surrounding brightness	
17	ASC(SSM)	To easily adjust sound according to the program type	
18	MULTIMEDIA	To check component input	Shortcut keys
19	FRONT-AV	To check the front AV	Shortcut keys
20	CH ±	To move channel up/down or to select a function displayed on the screen.	
21	VOL ±	To adjust the volume or accurately control a specific function.	
22	ENTER	To set a specific function or complete setting.	
23	PIP CH-(OP1)	To move the channel down in the PIP screen. To use as a red key in the teletext mode	
24	PIP CH+(OP2)	To move the channel in the PIP screen To use as a green key in the teletext mode	
25	PIP SWAP(OP3)	To switch between the main and sub screens To use as a yellow key in the teletext mode	
26	PIP INPUT(OP4)	To select the input status in the PIP screen To use as a blue key in the teletext mode	
27	EYE	To set a function that will automatically adjust screen status to match the surrounding brightness so natural color can be displayed.	
28	MENU	To select the functions such as video, voice, function or channel.	
29	IN-STOP	To set the delivery condition status after manufacturing the TV set.	
30	STILL	To halt the main screen in the normal mode, or the sub screen at the PIP screen. Used as a hold key in the teletext mode (Page updating is stopped.)	
31	TIME	Displays the teletext time in the normal mode Enables to select the sub code in the teletext mode	
32	SIZE	Used as the size key in the PIP screen in the normal mode Used as the size key in the teletext mode	
33	MULTI PIP	Used as the index key in the teletext mode (Top index will be displayed if it is the top text.)	
34	POSITION	To select the position of the PIP screen in the normal mode Used as the update key in the teletext mode (Text will be displayed if the current page is updated.)	
35	MODE	Used as Mode in the teletext mode	
36	PIP	To select the simultaneous screen	
37	TILT	To adjust screen tilt	Shortcut keys
38	0~9	To manually select the channel.	




HOTEL MODE

1. Hotel Option Configuration

When using the service remote control, press the In-Start key, and when using the user remote control, press the menu of the local key and the menu of the user remote control simultaneously for 10 seconds to enter the service mode.

Press the menu key one more time with the service mode OSD displayed and move to the hotel option setup page to set up.

LG Hotel mode set up	
Channel Menu Display	YES
Channel Change	YES
Input Mode Change	YES
Fixed Volume	YES
Max Volume	30
OSD Display	YES
Remocon Operation	YES
Local Key Operation	YES
On Monitor Operation	YES
Volume	On
	30
Channel	On
	1
Auto Off Operation	YES
Hotel Mode Operation	YES
	

1.1. Station Menu Display

- Decide to enter 'Station Menu' or not in the 'Main Menu' by setting 'Station Menu Display' as Yes(Enter Possible) or No(Enter Impossible) on the "LG Hotel Mode" OSD.

1.2. Program Change

- Decide to change channel or not by setting 'Program Change' as Yes(Change Possible) or No(Change Impossible) when present source is TV.
- When 'Program Change' is set to No(Change Impossible), Channel Key, Numeral Key, List Key, Q.View Key doesn't work and entering 'Program Menu' in the Main Menu OSD is impossible.
- When 'Program Change' is set to Yes(Change Possible), Channel Key, Numeral Key, List Key, Q.View Key does work and entering 'Channel Menu' in the Main Menu OSD is possible.
- When 'Program Change' is set to No(Change Impossible), 'Channel' item in 'On Time' menu will be fixed.
- When 'Program Change' is set to No(Change Impossible), entering 'Channel Menu' in the 'Main Menu' OSD is impossible regardless of 'Channel Menu Display' item.

1.3. Input Source Change

- Decide to change input source or not by setting 'Input Source Change' as Yes(Change possible) or No(Change impossible).
- When 'Input Source Change' is set to No(Change impossible), TV/AV key and Multimedia key doesn't work, and entering 'Input' item in the 'Main Menu OSD' is impossible.
- When 'Input Source Change' is set to No(Change impossible), user's input (pressing Channel key, numeral key, List key, Q.View key in all Input source except TV source) doesn't work and when entering 'Channel Menu' item in the 'Main Menu OSD' except TV mode doesn't accepted. Because entering 'Channel Menu' item makes present mode as TV mode even though present mode is not TV mode. for the function that turns to TV mode doesn't work.
- When 'Input Source Change' is set to Yes(Change possible), then changing input source is available.
- When 'Input Source Change' is set to No(Change Impossible), TV set always turns on fixed input source and volume information regardless of already set channel information.
- When 'Input Source Change' is set to No(Change Impossible), entering 'Channel Menu' except TV mode doesn't possible regardless of 'Channel Change' or 'Channel Menu Display' item.

1.4. Fixed Volume

- Decide to fix volume or not by setting 'Fixed Volume' as Yes(Change possible) or No(Change impossible).
- When 'Fixed Volume' is set to Yes(Set), it fixed present volume and volume key doesn't work.
- When 'Fixed Volume' is set to Yes(Set), volume doesn't change during 'Mute On' but release mute.
- When 'Fixed Volume' is set to No(Not Set), user can change volume.
- In the case of both 'Fixed Volume' and 'On Time' is set to Yes(Set), but just the value is different, then Fixed Volume value has priority.
- When 'Fixed Volume' is set to Yes(Set), user cannot select 'Max Volume' item.
- When 'Fixed Volume' is set to Yes(Set), 'On Time' menu's Volume item fixed to present volume.

1.5. Max Volume

- Decide 'Max Volume' between changing range 0 ~ 100.
- When 'Max Volume' is set, user can change up to set volume value.
- In the case of 'Fixed Volume' is set to Yes, 'Max Volume' item cannot be selected.
- When 'Max Volume' is set, volume just goes up to the 'Max Volume' value in 'On Time Menu'.

1.6. OSD Display

- Decide to display OSD or not by setting 'OSD Display' as Yes(Mark) or No(No Mark).
- When 'OSD Display' is set to No(No Mark), just Channel OSD and STEREO OSD doesn't display.

1.7. Remocon (Remote Control) Operation

- Decide to operate Remote Control or not by setting "Remocon Operation" as Yes(Work) or No(Do Not Work).
- When "Remocon Operation" is set to No(Do Not Work), all remocon key doesn't work include Power Key.
- When "Remocon Operation" is set to No(Do Not Work), In-start key and In-stop key still work.
- When "Remocon Operation" is set to No(Do Not Work), 'Remocon Operation' working in service mode is available.
- When "Remocon Operation" is set to Yes(Work), all Remocon keys work properly.

1.8. Local Key Operation

- Decide to operate 'Local Key' or not by setting "Local Key Operation" as Yes(Work) or No(Do Not Work).
- When 'Local Key Operation' is set to No(Do Not Work), all Local Key doesn't work include Power Key.
- When 'Local Key Operation' is set to No(Do Not Work), Local Key working in service mode is still available.
- When 'Local Key Operation' is set to Yes(Work), all Local Key working is available.
- When set both 'Local Key' and 'Remocon Operation' as No(Do Not Work), Power key of Remocon work as exceptional case.

1.9. Power On Operation

- Decide to set Channel and Volume value or not those are displaying when Power On by setting 'Power On Operation' as Yes(Work) or No(Do Not Work).
- When 'Power On Operation' is set to No(Do Not Work), user cannot enter inside of 'channel' and 'volume' item.
- When 'Power On Operation' is set to Yes(Work), user can enter inside of menu and set value.
- When 'Channel' item of 'Power On Operation' is set to No(Do Not Work), and 'Power On Operation' is set to Yes(Work), then TV saves present input source and always turn on as the saved input source when turn on. If user enters Hotel Mode as other input source that user wants (except TV mode), and set 'Channel' item as Yes(Work), then it will work.
- When 'Power On Operation' is set to No(Do Not Work), TV will be turned on as last memorized channel or input source.

1.10. Program

- Decide to turn on TV as set channel or last memorized channel or not by setting 'Channel' as On(Work) or Off(Do Not Work).
- When 'Power On Operation' is set to Yes(Work), then user can enter 'Channel' and set the value.
- When 'Power On Operation' is set to On(Work), setting 'Channel' value of 'Power On Operation' is possible and TV always turns on as set 'Channel' value.
- When 'Power On Operation' is set to Off(Do Not Work), setting 'Channel' value of 'Power On Operation' is impossible and TV turns on last memorized channel.
- If user wants to turn on by other Input source except TV, change Input source as you want and enter to 'Hotel Mode', then select 'Channel' item as Off(Do Not Work) or Do Not select this item On(Work) from the beginning.
- In the case of both 'Channel' and 'On Time' is set, but just the value is different, then 'Channel' value has priority.

1.11. Set ID Lock

- Decide to activate 'Set ID' in the Special Menu of the Main Menu or not.
- When 'Set ID Lock' is set to Yes(Change Impossible), 'Set ID' item in 'Special' menu is available.
- When 'Set ID Lock' is set to No(Change Impossible), 'Set ID' item in 'Special' menu is not available.

1.12. Set ID

- Set a value of 'Set ID' between number 1 and 99.

1.13. Auto Off Operation

- If there's no key input during 2 hours after turn on TV by 'Power On' function of the 'On Time', then turn off TV by 'Auto Off' function of 'Time Menu'. This item decide to turn on TV by 'Auto Off Operation' regardless of 'Auto off' function of 'Time Menu' or not by setting as Yes(Work) or No(Do Not Work).
- When 'Auto Off Operation' is set to Yes(Work), 'Auto Off Operation' work as configuration.
- When 'Auto Off Operation' is set to No(Do Not Work), 'Auto Off Operation' Do Not work regardless of configuration.

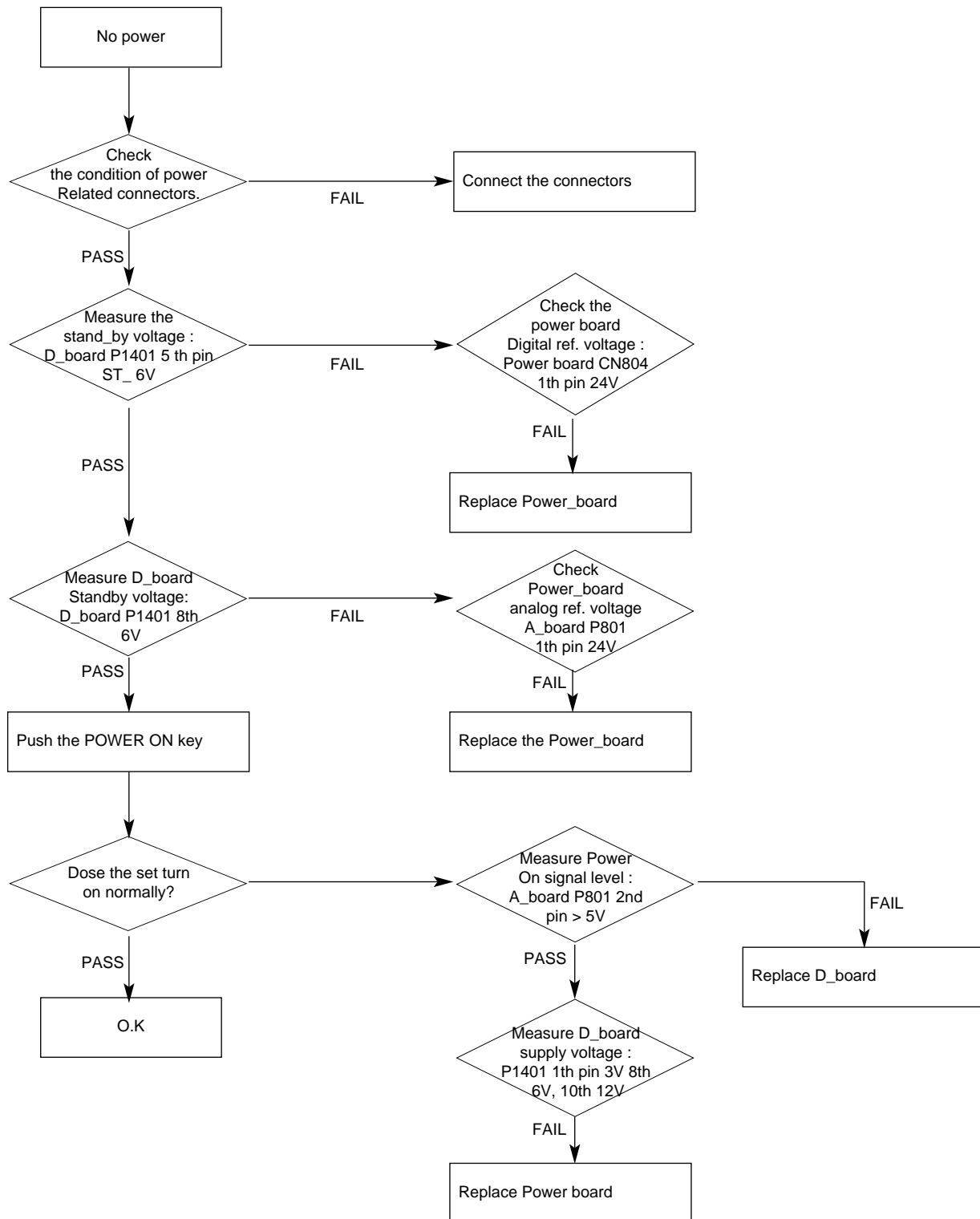
1.14. Hotel Mode Operation

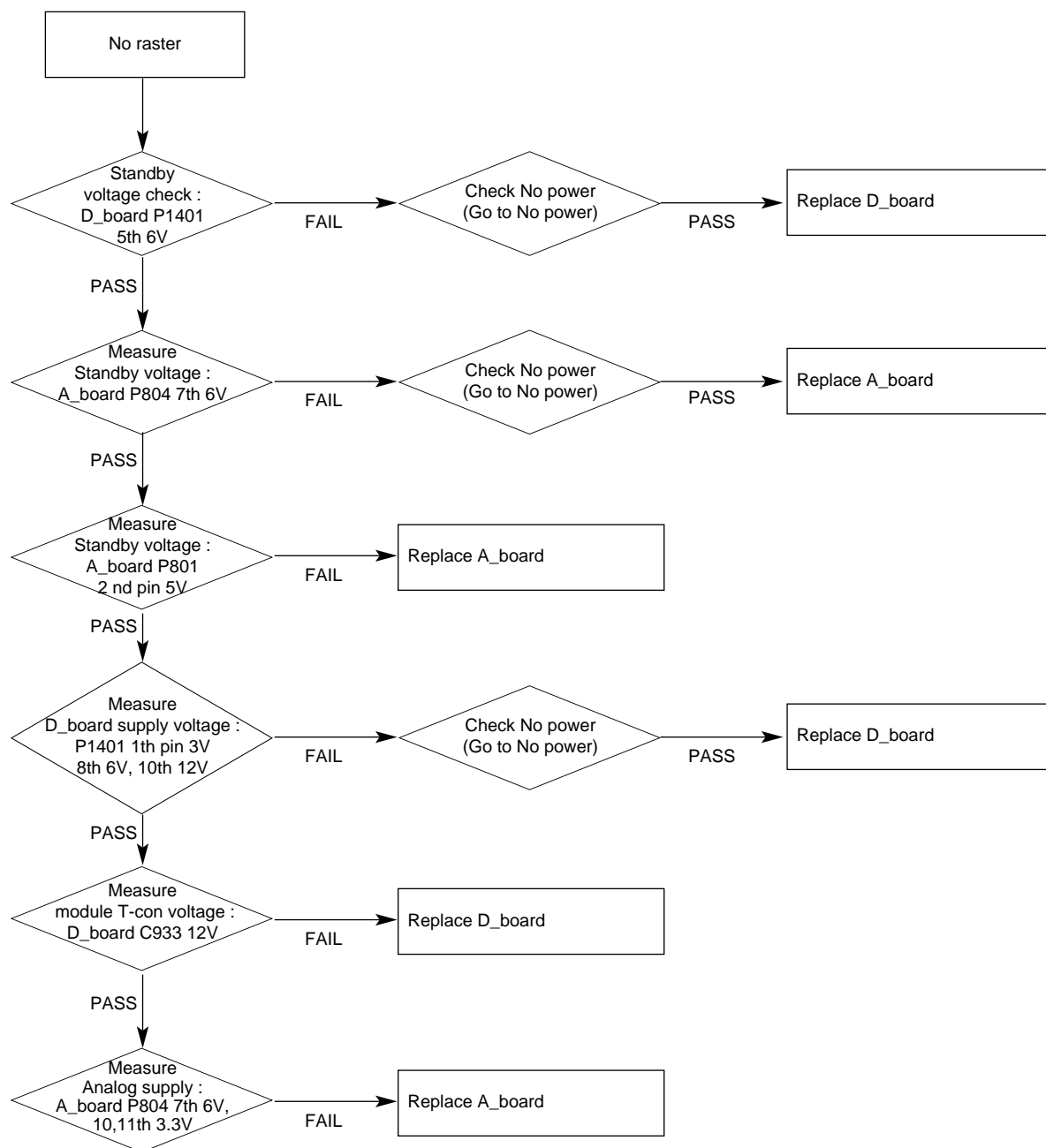
- Decide to work all functions of 'Hotel Mode Operation' or not by setting 'Hotel Mode Operation' as Yes(Work) or No(Do Not Work).
- When 'Hotel Mode Operation' is set to Yes(Work), all functions of Hotel Mode apply.
- When 'Hotel Mode Operation' is set to No(Do Not Work), all functions of Hotel Mode Do Not apply

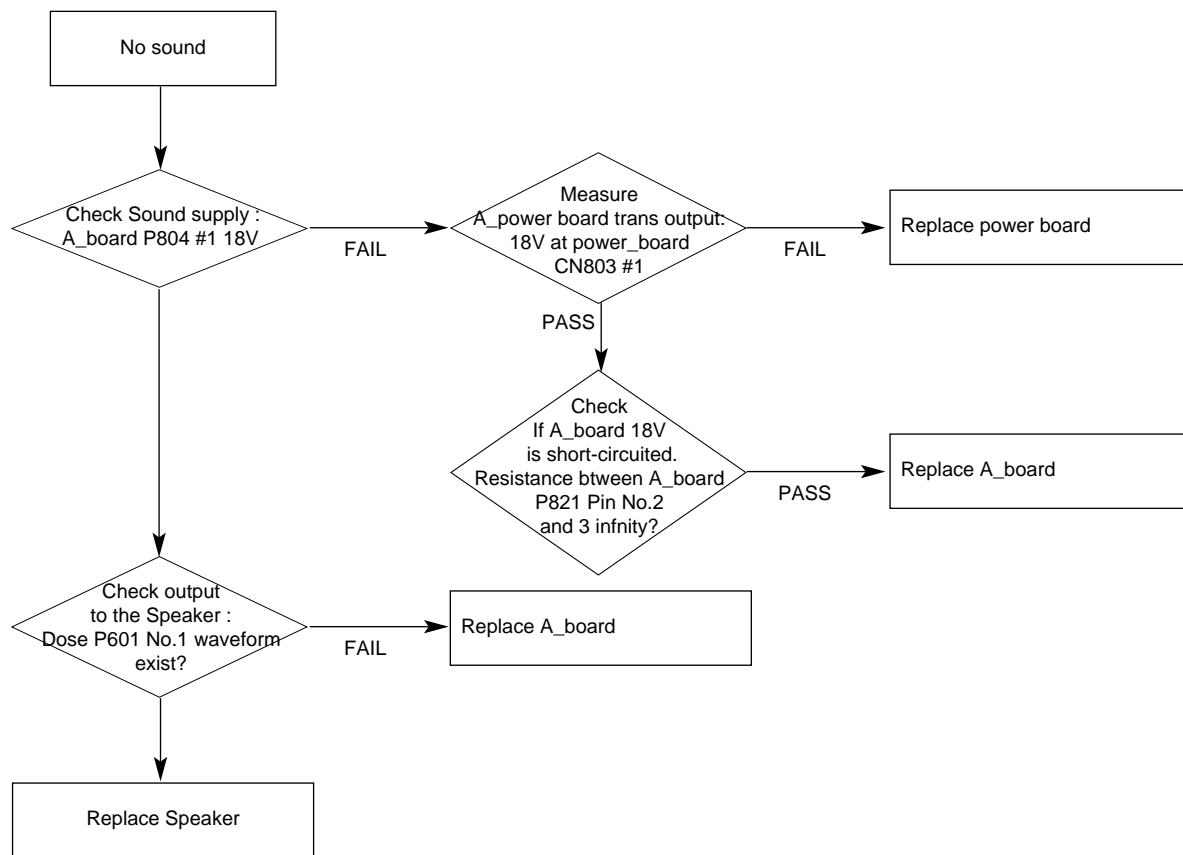
2. Initial Configuration and Configuration Detail

Setting Item	Activated	Deactivated	Default
Station Menu	Yes	No	Yes
Program Change	Yes	No	Yes
Input Mode Change	Yes	No	Yes
Fixed Volume	Yes	No	No
Max Volume	0 ~ 100		100
OSD Display	Yes	No	Yes
Remote Operation	Yes	No	Yes
Local Key Operation	Yes	No	Yes
Power On Operation	Yes	No	No
Volume	On	Off	Off
Volume Level	0 ~ 100		30
Program	On	Off	Off
Program Level	1 ~ 99		1
Set ID Lock	Yes	No	Yes
Set IDI	1 ~ 99		No
Auto Off Operation	Yes	No	Yes
Hotel Mode Operation	Yes	No	No

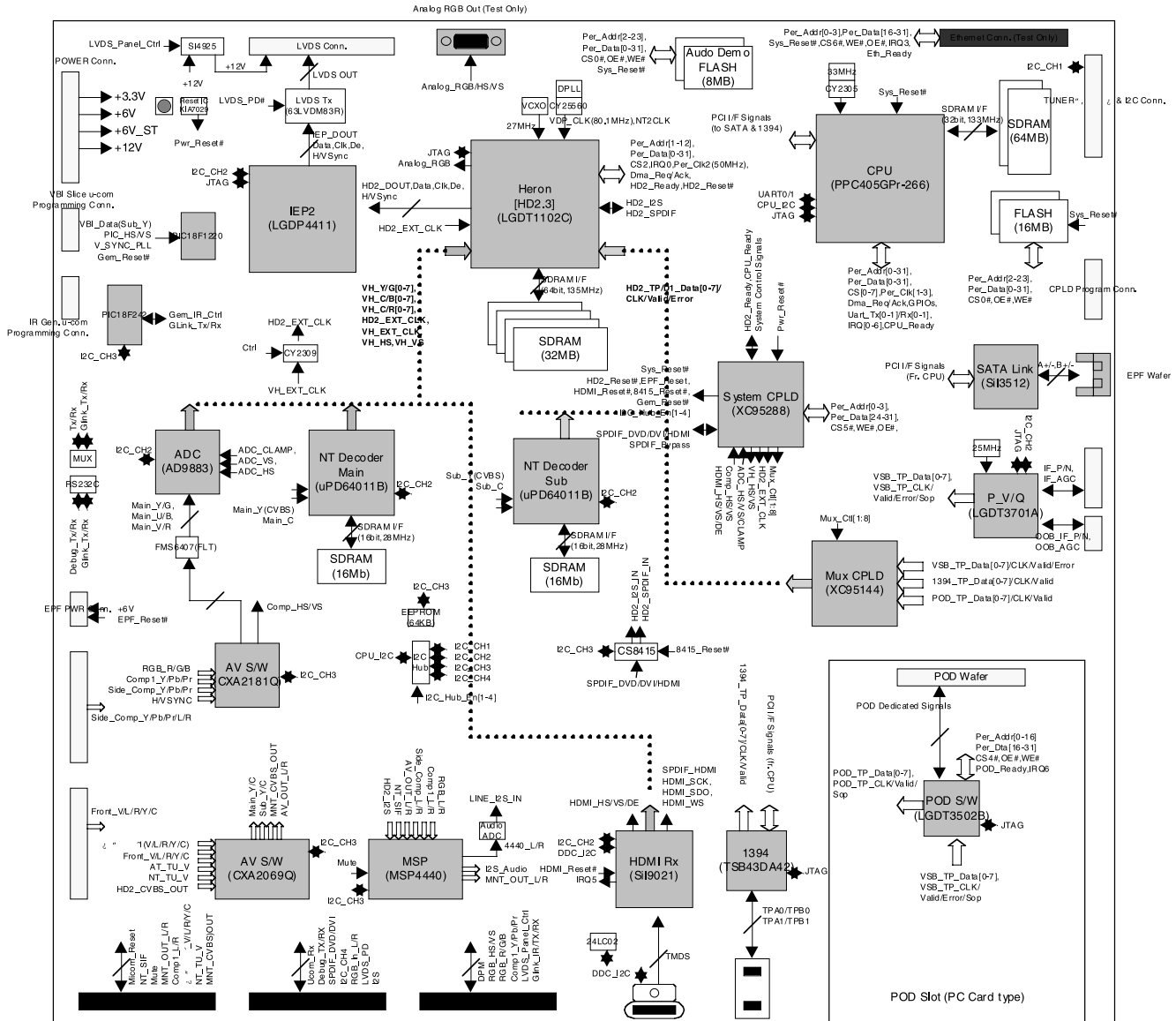
TROUBLESHOOTING







BLOCK DIAGRAM



BLOCK DIAGRAM DESCRIPTION

In this system there are 2 tuners - ATSC/NTSC tuner(TDVS-H701P) and NTSC-only tuner.(TAFM-H103P)
So it is impossible to have a digital (main)/digital (sub) PIP.

CXA2181Q is the AV switch for the component signals and CXA2069Q is the AV switch for the composite signals.
The audio signals which separated by CXA2069 are sent to MSP4440.
AD9883 is AD converter and there are 2 NT decoders (uPD64011B) for main and sub NT signals each.

Gemstar is TV Guide On Screen system which provides program listings for cable-ready, cable box, and digital cable services as well as over-the-air broadcast. And it needs 2 micoms (PIC18F242 is for IR blast and PIC18F1220 is for VBI slicing).

HD2.3 can receive TP data, MPEG2 video decoding and image processing. IEP2 chip enhances the output image quality.

Main CPU (PPC405GPr-266) is the central processing IC, which controls most of the ICs.
CPLD (XC95288, XC95144) implements the glue-logic.

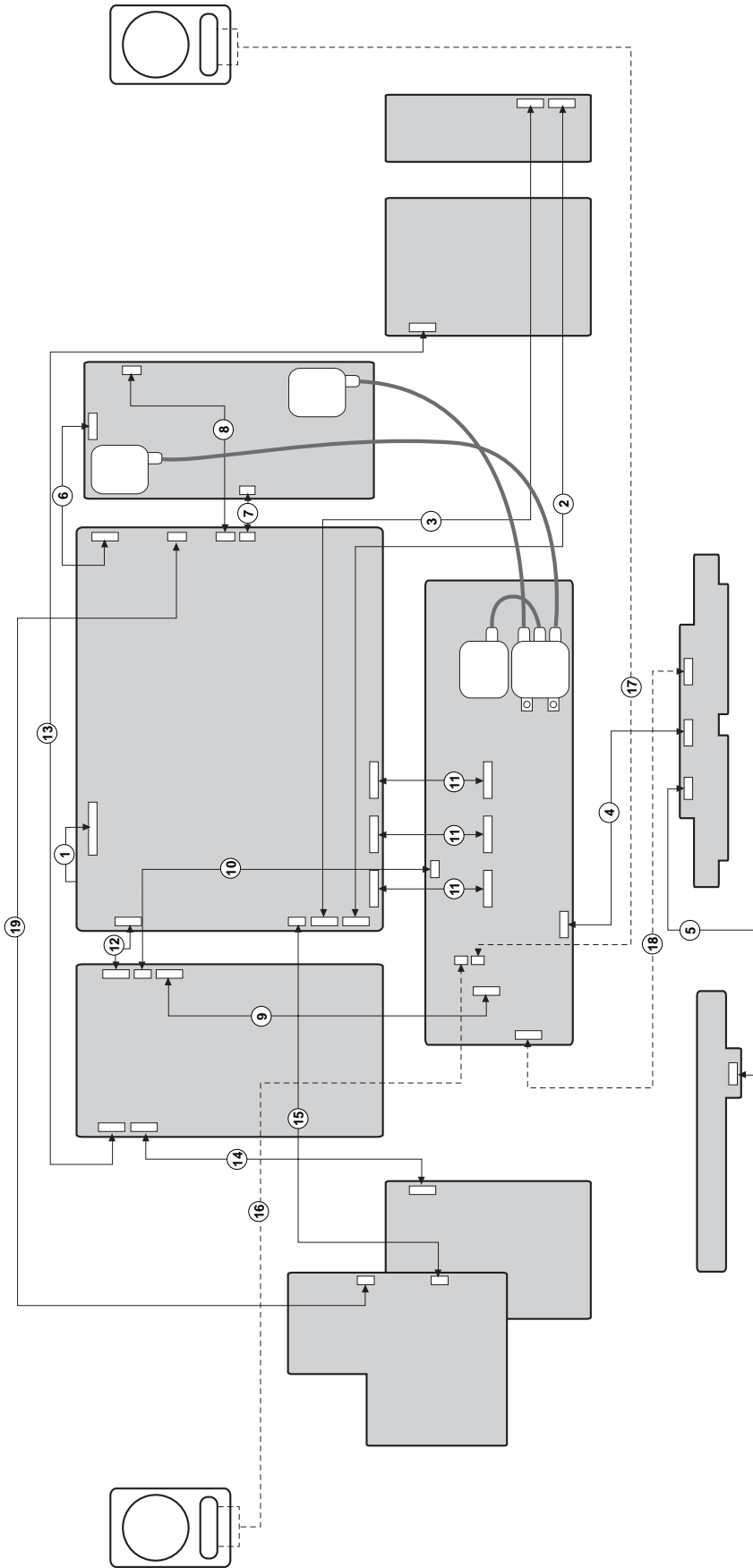
SATA Link(Sil3512) converts the SATA I/F to PCI for the EPF(memory card I/F) data. This TV will display images or play music from a memory card(CF,SD,xD, MMC etc.)

1394 communicates to either direction and can give and take image, sound, or each control commands with only one cable (this TV can communicate with DVHS / Camcoder).

HDMI port can receive video data via High-Definition Multimedia Interface (HDMI) or the Digital Visual Interface (DVI).
Sil9012 is HDMI receiver IC and TSB43DA42 controls the 1394 I/F.

This TV is capable of receiving basic analog, digital basic and digital premium cable television programming by direct connection to a cable system providing such programming. A security card provided by cable operator (CableCard) is required to view encrypted digital programming. Channel informations can receive in the OOB channel.
LGDT3701A demodulates the VSB/QAM signals and also OOB signal (QPSK).
LGDT3502B generates the CableCard I/F signals and decodes copy protected stream.

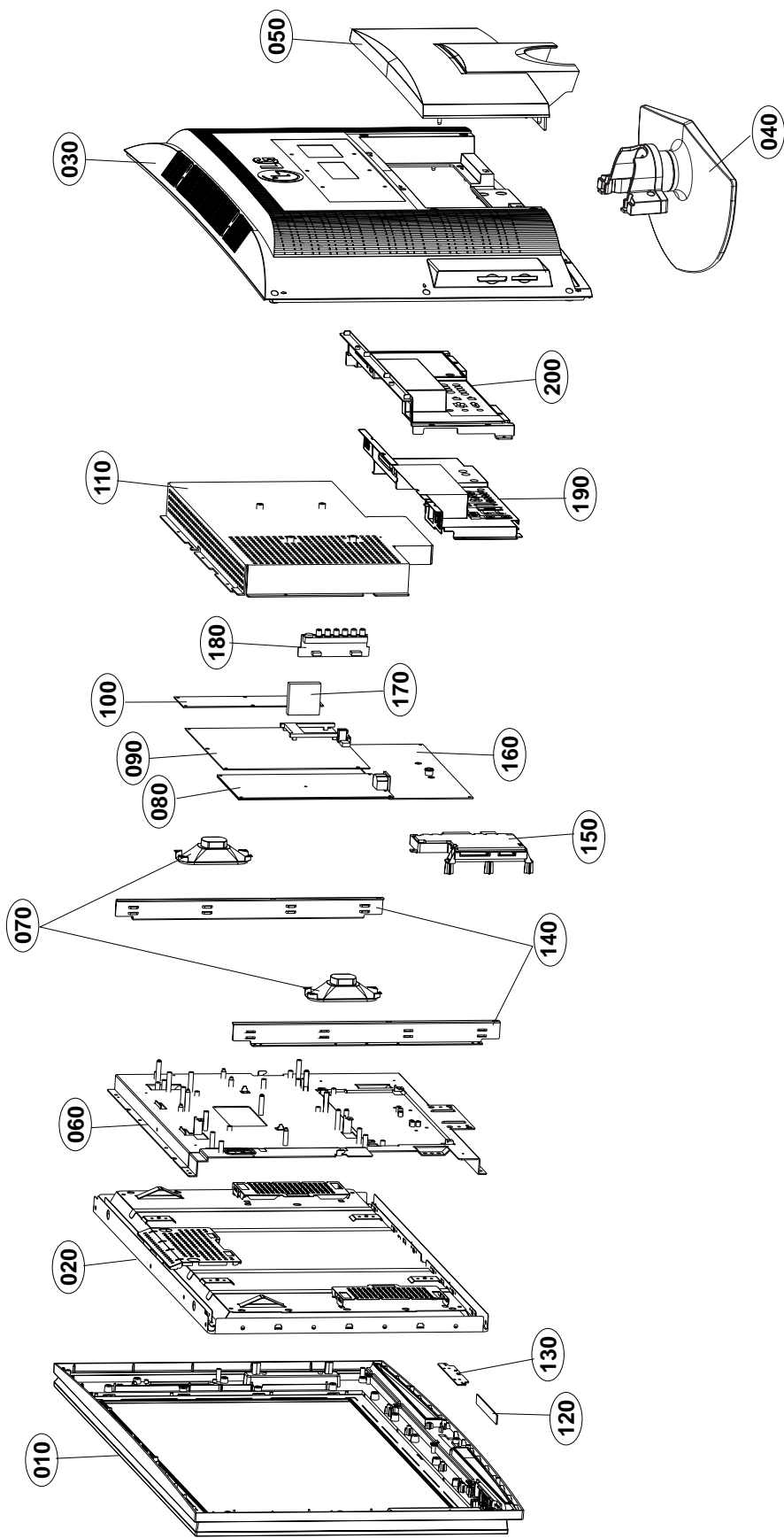
WIRING DIAGRAM



Wiring Part List

NO.	PART NO.	NO.	PART NO.	NO.	PART NO.	NO.	PART NO.
1	6631T11023F	6	6631T25019B	11	6631T11022A	16	6631T25024H
2	6631900050B	7	6631T25019V	12	6631T25023Z	17	6631T25024G
3	6631900010N	8	6631T25024E	13	6631T20037D	18	6631T20037Q
4	6631T20037P	9	6631T25023H	14	6631T20037E	19	6850U00002D
5	6631T20037N	10	6631T25023V	15	6631T25024F		

EXPLODED VIEW



EXPLODED VIEW PARTS LIST

No.		PART NO.	DESCRIPTION
010		3091TKE037A	Cover Assembly, 32LX2D BRAND CABINET ASSY
		3091TKE037B	Cover Assembly, 32LX2D CSKD BRAND CABINET ASSY
020		6304FLP290A	LCD,Module-TFT, LC320W01-A6K6 DRIVER 32.0INCH 1366X768 500CD COLOR 72% - - -
		or 6304FLP181A	LCD,Module-TFT, LC320W01-A6K3 DRIVER 31.5INCH 1366X768 500CD COLOR - - 600VS1 -
		6304FLP288C	LCD Panel, LC320W01-SL01 LG PHILIPS TFT COLOR WXGA AIODC 4 MASK (LC320W01-SL01-F1C)
030		3809TKE030L	Cover Assembly, 32LX1D-UA DTV 3808TKE025 SET
		3809TKE030M	Cover Assembly, 32LX1D-UA DTV 3808TKE025 CSKD
040		3043TKK252A	Base Assembly, 32LX2D-UA STAND ASSY
		3043TKK252D	Base Assembly, 32LX2D-UA CSKD STAND ASSY
050		3550TKK881C	Cover, MOLD ABS 32LX2D NO SPRAY REAR AV COVER
		3550TKK881D	Cover, MOLD ABS 32LX2D CSKD NO SPRAY REAR AV COVER
060		4951TKS222A	Plate Assembly, FRAME METAL ASSY 32LX1D-UA
		4951TKS222D	Plate Assembly, FRAME METAL ASSY 32LX1D-UA CSKD
070		6400GESF01A	Speaker,Fullrange, C112K01K1450 FERRITE 15W 8OHM 93DB 170HZ 116X42X38.5mm LUG
080		6871TPT303B	PCB Assembly,Power, DU/DN/DI-32LP10 POWER TOTAL BRAND DU(DCR) COMM - SH(D112)
090		3313TD3052A	Main Total Assembly, 32LX2D-UA DIGITAL BRAND AL-04DA
		33139D3038A	Main Total Assembly, 32LX2D-UA.APUSLL BRAND AL-04DA
100		6871TST954A	PCB Assembly,Sub, 32LX1D-U TUNER ETC TOTAL BRAND .
110		4951TKK238B	Plate Assembly, FRAME REAR 32LX1D
		4951TKK238D	Plate Assembly, FRAME REAR 32LX1D CSKD
120		6871TSTA48A	PCB Assembly,Sub, 26/32LX1D-UA KEY CONTROL TOTAL BRAND .
130		6871TST952A	PCB Assembly,Sub, 32LX1D-U LIGHT&IR ETC TOTAL BRAND .
140		4950TKA210A	Plate, PRESS SBHG T1.6 SIDE BRACKET 32LX1D LPL MODULE
150		3141TZZ175A	Chassis Assembly, 32LX1D-UA EPF BOARD .
160		3313TD3051A	Main Total Assembly, 32LX2D-UA ANALOG BRAND AL-04DA
170		4951TKK262A	Plate Assembly, SUPPORT FAN ASSY 5900V05005A
		4951TKK262B	Plate Assembly, SUPPORT FAN ASSY 5900V05005B
180		6871TST953A	PCB Assembly,Sub, 32LX1D-U SIDE A/V ETC TOTAL BRAND .
190		4815TKK046A	Plate Assembly, REAR SHIELD ASSY 32LX1D
		4815TKK046D	Plate Assembly, REAR SHIELD ASSY 32LX1D CSKD
200		3551TKK589N	Cover Assembly, 32LX1D/2D-UA REAR AV BRACKET ASSY

REPLACEMENT PARTS LIST

For Capacitor & Resistors, the characters at 2nd and 3rd digit in the P/No. means as follows;

CC, CX, CK, CN, CH : Ceramic
CQ : Polyester
CE : Electrolytic
CF : Fixed Film

RD : Carbon Film
RS : Metal Oxide Film
RN : Metal Film
RH : CHIP, Metal Glazed(Chip)
RR : Drawing

DATE: 2006. 03. 20.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
MAIN BOARD(Analog)				
CAPACITOR				
		C101	0CE107SF6DC	VMV107M016S0ANE010 100uF 20
		C105	0CE106SF6DC	VMV106M016S0ANB010 10uF 20%
		C108	0CE105SK6DC	VMV105M050S0ANB010 1uF 20%
		C117	0CE107SF6DC	VMV107M016S0ANE010 100uF 20
		C119	0CE106SF6DC	VMV106M016S0ANB010 10uF 20%
		C121	0CE107SF6DC	VMV107M016S0ANE010 100uF 20
		C204	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C403	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C404	0CE476VK6DC	VG476M050S0ANG030 47uF 20%
		C406	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C410	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C413	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C606	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C608	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C646	0CH8106J611	MV5.0TP35VC10M 10uF 20% 35V
		C650	0CE336VF6DC	VG476M016S0ANE010 33uF 20%
		C657	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C661	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C702	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C704	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C707	0CE107SF6DC	VMV107M016S0ANE010 100uF 20
		C709	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C711	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C714	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C716	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C719	0CE107SF6DC	VMV107M016S0ANE010 100uF 20
		C722	0CE107SF6DC	VMV107M016S0ANE010 100uF 20
		C724	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C727	0CE107SF6DC	VMV107M016S0ANE010 100uF 20
		C730	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C741	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C743	0CE107SF6DC	VMV107M016S0ANE010 100uF 20
		C801	0CE476VK6DC	VG476M050S0ANG030 47uF 20%
		C802	0CE476VK6DC	VG476M050S0ANG030 47uF 20%
		C805	0CE107VH6DC	VG107M025S0ANG020 100uF 20
		C807	0CE107VH6DC	VG107M025S0ANG020 100uF 20
		C809	0CE107VH6DC	VG107M025S0ANG020 100uF 20
		C811	0CE107VH6DC	VG107M025S0ANG020 100uF 20
		C813	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C816	0CE107SF6DC	VMV107M016S0ANE010 100uF 20
		C818	0CE107SF6DC	VMV107M016S0ANE010 100uF 20
		C820	0CE107SF6DC	VMV107M016S0ANE010 100uF 20
		C821	0CE107SF6DC	VMV107M016S0ANE010 100uF 20
		C824	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C826	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C829	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C831	0CE107SF6DC	VMV107M016S0ANE010 100uF 20
		C832	0CE107SF6DC	VMV107M016S0ANE010 100uF 20
		C834	0CE106SF6DC	VMV106M016S0ANB010 10uF 20%
		C835	0CE106SF6DC	VMV106M016S0ANB010 10uF 20%
		C836	0CE106SF6DC	VMV106M016S0ANB010 10uF 20%
		C838	0CE106SF6DC	VMV106M016S0ANB010 10uF 20%
		C840	0CE106SF6DC	VMV106M016S0ANB010 10uF 20%
		C841	0CE106SF6DC	VMV106M016S0ANB010 10uF 20%
		C842	0CE106SF6DC	VMV106M016S0ANB010 10uF 20%
		C844	0CE106SF6DC	VMV106M016S0ANB010 10uF 20%

DATE: 2006. 03. 20.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C642	0CE108EJK18	ESM108M035T1G5L20G 1000uF 2
		C643	0CE108EJK18	ESM108M035T1G5L20G 1000uF 2
		C102	0CH3104K566	0805B104K500CT 100nF 10% 50
		C103	0CH3104K566	0805B104K500CT 100nF 10% 50
		C106	0CH3104K566	0805B104K500CT 100nF 10% 50
		C111	0CH3104K566	0805B104K500CT 100nF 10% 50
		C114	0CH6150K416	C2012C0G1H150JT 15pF 5% 50V
		C115	0CH6150K416	C2012C0G1H150JT 15pF 5% 50V
		C118	0CH3104K566	0805B104K500CT 100nF 10% 50
		C203	0CH3104K566	0805B104K500CT 100nF 10% 50
		C205	0CH6101K416	C2012C0G1H101JT 100pF 5% 50
		C206	0CH6220K416	C2012C0G1H220JT 22pF 5% 50V
		C207	0CH6220K416	C2012C0G1H220JT 22pF 5% 50V
		C208	0CH6101K416	C2012C0G1H101JT 100pF 5% 50
		C217	0CH3104K566	0805B104K500CT 100nF 10% 50
		C218	0CH3104K566	0805B104K500CT 100nF 10% 50
		C219	0CH3104K566	0805B104K500CT 100nF 10% 50
		C401	0CH3103K516	C2012Y5P1H103KT 10nF 10% 50
		C405	0CH3104K566	0805B104K500CT 100nF 10% 50
		C407	0CH3103K516	C2012Y5P1H103KT 10nF 10% 50
		C408	0CH6100K116	C2012C0G1H100DT 10pF 0.5PF
		C409	0CH6100K116	C2012C0G1H100DT 10pF 0.5PF
		C411	0CH3103K516	C2012Y5P1H103KT 10nF 10% 50
		C412	0CH3103K516	C2012Y5P1H103KT 10nF 10% 50
		C601	0CH3104K566	0805B104K500CT 100nF 10% 50
		C602	0CH3104K566	0805B104K500CT 100nF 10% 50
		C603	0CH3104K566	0805B104K500CT 100nF 10% 50
		C604	0CH3104K566	0805B104K500CT 100nF 10% 50
		C605	0CH3104K566	0805B104K500CT 100nF 10% 50
		C607	0CH3104K566	0805B104K500CT 100nF 10% 50
		C609	0CH3104K566	0805B104K500CT 100nF 10% 50
		C610	0CH3104K566	0805B104K500CT 100nF 10% 50
		C611	0CH3104K566	0805B104K500CT 100nF 10% 50
		C612	0CH3104K566	0805B104K500CT 100nF 10% 50
		C624	0CH3104K566	0805B104K500CT 100nF 10% 50
		C626	0CH3104K566	0805B104K500CT 100nF 10% 50
		C629	0CH3104K566	0805B104K500CT 100nF 10% 50
		C631	0CH3104K566	0805B104K500CT 100nF 10% 50
		C633	0CH3104K566	0805B104K500CT 100nF 10% 50
		C634	0CH3104K566	0805B104K500CT 100nF 10% 50
		C635	0CH3104K566	0805B104K500CT 100nF 10% 50
		C637	0CH3104K566	0805B104K500CT 100nF 10% 50
		C644	0CH3104K566	0805B104K500CT 100nF 10% 50
		C645	0CH3103K516	C2012Y5P1H103KT 10nF 10% 50
		C647	0CH3103K516	C2012Y5P1H103KT 10nF 10% 50
		C648	0CH3104K566	0805B104K500CT 100nF 10% 50
		C658	0CH3104K566	0805B104K500CT 100nF 10% 50
		C659	0CH3104K566	0805B104K500CT 100nF 10% 50
		C660	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V
		C701	0CH3104K566	0805B104K500CT 100nF 10% 50
		C703	0CH3104K566	0805B104K500CT 100nF 10% 50
		C705	0CH3104K566	0805B104K500CT 100nF 10% 50
		C706	0CH3103K516	C2012Y5P1H103KT 10nF 10% 50
		C708	0CH3104K566	0805B104K500CT 100nF 10% 50

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C712	0CH3104K566	0805B104K500CT 100nF 10% 50
		C713	0CH3103K516	C2012Y5P1H103KT 10nF 10% 50
		C715	0CH3104K566	0805B104K500CT 100nF 10% 50
		C717	0CH3334K946	C2012Y5V1H334ZT 330nF -20TO
		C718	0CH3104K566	0805B104K500CT 100nF 10% 50
		C720	0CH3104K566	0805B104K500CT 100nF 10% 50
		C721	0CH3103K516	C2012Y5P1H103KT 10nF 10% 50
		C723	0CH3104K566	0805B104K500CT 100nF 10% 50
		C725	0CH3334K946	C2012Y5V1H334ZT 330nF -20TO
		C728	0CH3104K566	0805B104K500CT 100nF 10% 50
		C729	0CH3103K516	C2012Y5P1H103KT 10nF 10% 50
		C739	0CH3104K566	0805B104K500CT 100nF 10% 50
		C740	0CH3103K516	C2012Y5P1H103KT 10nF 10% 50
		C742	0CH3104K566	0805B104K500CT 100nF 10% 50
		C803	0CH3104K566	0805B104K500CT 100nF 10% 50
		C804	0CH3104K566	0805B104K500CT 100nF 10% 50
		C806	0CH3104K566	0805B104K500CT 100nF 10% 50
		C808	0CH3104K566	0805B104K500CT 100nF 10% 50
		C810	0CH3104K566	0805B104K500CT 100nF 10% 50
		C812	0CH3104K566	0805B104K500CT 100nF 10% 50
		C814	0CH3104K566	0805B104K500CT 100nF 10% 50
		C815	0CH3104K566	0805B104K500CT 100nF 10% 50
		C817	0CH3104K566	0805B104K500CT 100nF 10% 50
		C819	0CH3104K566	0805B104K500CT 100nF 10% 50
		C822	0CH3104K566	0805B104K500CT 100nF 10% 50
		C823	0CH3104K566	0805B104K500CT 100nF 10% 50
		C825	0CH3104K566	0805B104K500CT 100nF 10% 50
		C827	0CH3104K566	0805B104K500CT 100nF 10% 50
		C828	0CH3104K566	0805B104K500CT 100nF 10% 50
		C830	0CH3104K566	0805B104K500CT 100nF 10% 50
		C833	0CH3104K566	0805B104K500CT 100nF 10% 50
		C837	0CH3104K566	0805B104K500CT 100nF 10% 50
		C107	0CC221CK41A	C1608C0G1H221JT 220pF 5% 50
		C109	0CK102CK56A	0603B102K500CT 1nF 10% 50V
		C110	0CC221CK41A	C1608C0G1H221JT 220pF 5% 50
		C113	0CC561CK41A	C1608C0G1H561JT 560pF 5% 50
		C120	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C122	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C214	0CC220CK41A	C1608C0G1H220JT 22pF 5% 50V
		C215	0CC220CK41A	C1608C0G1H220JT 22pF 5% 50V
		C216	0CC220CK41A	C1608C0G1H220JT 22pF 5% 50V
		C613	0CK105DK94A	0805F105Z500CT 1uF -20TO+80
		C614	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C615	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C616	0CK105DK94A	0805F105Z500CT 1uF -20TO+80
		C623	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C625	0CK333CK56A	C1608X7R1H333KT 33nF 10% 50
		C627	0CK333CK56A	C1608X7R1H333KT 33nF 10% 50
		C628	0CK333CK56A	C1608X7R1H333KT 33nF 10% 50
		C630	0CK333CK56A	C1608X7R1H333KT 33nF 10% 50
		C638	0CK103CK51A	0603B103K500CT 10nF 10% 50V
		C639	0CK103CK51A	0603B103K500CT 10nF 10% 50V
		C640	0CK103CK51A	0603B103K500CT 10nF 10% 50V
		C641	0CK103CK51A	0603B103K500CT 10nF 10% 50V
		C662	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50
		C663	0CK102CK56A	0603B102K500CT 1nF 10% 50V
		C664	0CK102CK56A	0603B102K500CT 1nF 10% 50V
		C665	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C710	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C726	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C843	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C632	0CF4741L438	PCMT 365 76474 470nF 5% 63V

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C636	0CF4741L438	PCMT 365 76474 470nF 5% 63V
DIODEs				
		D101	0DS181009AA	KDS181 1.2V 85V 300MA 2A 4N
		D701	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4N
		D702	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4N
		D201	0DRSE00038A	SDC15 1.3V 14.3VTO16.4V 21.
		D202	0DRSE00038A	SDC15 1.3V 14.3VTO16.4V 21.
		D203	0DRSE00038A	SDC15 1.3V 14.3VTO16.4V 21.
		ZD205	0DZ510009EE	UDZS5.1B 5.1V 4.98TO5.2V 80
		ZD215	0DZ820009AK	UDZS8.2B 8.2V 8.02TO8.36V 3
		ZD216	0DZ820009AK	UDZS8.2B 8.2V 8.02TO8.36V 3
		ZD217	0DZ820009AK	UDZS8.2B 8.2V 8.02TO8.36V 3
		ZD218	0DZ820009AK	UDZS8.2B 8.2V 8.02TO8.36V 3
		ZD219	0DZ820009AK	UDZS8.2B 8.2V 8.02TO8.36V 3
		ZD221	0DZ510009EE	UDZS5.1B 5.1V 4.98TO5.2V 80
		ZD222	0DZ510009EE	UDZS5.1B 5.1V 4.98TO5.2V 80
		ZD224	0DZ510009EE	UDZS5.1B 5.1V 4.98TO5.2V 80
		ZD225	0DZ510009EE	UDZS5.1B 5.1V 4.98TO5.2V 80
		ZD228	0DZ510009EE	UDZS5.1B 5.1V 4.98TO5.2V 80
		ZD401	0DZ330009DF	MTZJ33B 33V 30.32TO31.88V 6
		ZD229	0DZ510009EE	UDZS5.1B 5.1V 4.98TO5.2V 80
IC				
		IC601	0ILNR00015A	NSP-2100A 1.8VTO3.3V - - -
		IC602	0IMCRTI028C	"TAS5122DCARG4,LF 3TO3.6V_16"
		IC102	0IMCRAL006A	AT24C16AN-10SU-2.7 16KBIT 2
		IC201	0IMMRAL014C	AT24C02N-10SU-2.7 2KBIT 256
		IC706	0IMI623200B	M62320FP 4.5TO5.5V 0.05mA 4
		IC705	0IMCRSJ001A	SC1565IST-1.8 2.2TO5.5V 1.8
		IC103	0IKE704200J	KIA7042AF -0.3TO15V 4.2V 50
		IC701	0IMCRSH001A	PQ05DZ1U 6TO16V 5V 8W D2PAK
		IC702	0IMCRSH001A	PQ05DZ1U 6TO16V 5V 8W D2PAK
		IC704	0IMCRFA010A	KA7809R 11.5TO24V 9V 150W D
COIL & CORE & & FILTER & INDUCTOR				
		L602	6140VB0022A	DN-42LZ30 22.8uH - - 18X20M
		L603	6140VB0022A	DN-42LZ30 22.8uH - - 18X20M
		L604	6140VB0022A	DN-42LZ30 22.8uH - - 18X20M
		L605	6140VB0022A	DN-42LZ30 22.8uH - - 18X20M
		L101	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L103	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L235	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L401	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L601	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L606	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L607	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L701	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L702	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L703	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L816	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L819	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L820	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L821	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L822	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L823	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L826	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		R818	6210TCE001A	HB-1S2012-080JT 8OHM 2X1.25
		GT10	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X

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		GT2	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		GT3	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		GT5	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		GT8	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		GT9	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L102	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L203	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L704	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L705	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L706	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L707	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L708	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L711	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L801	6210TCE001A	HB-1S2012-080JT 8OHM 2X1.25
		L807	6210TCE001A	HB-1S2012-080JT 8OHM 2X1.25
		L808	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L809	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L810	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L811	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L812	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L813	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L814	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L818	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L825	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L827	6210TCE001A	HB-1S2012-080JT 8OHM 2X1.25
		L830	6210TCE001S	HU-1M2012-121 120OHM 2X1.25
		L831	6210TCE001S	HU-1M2012-121 120OHM 2X1.25
		L832	6210TCE001S	HU-1M2012-121 120OHM 2X1.25
		L833	6210TCE001S	HU-1M2012-121 120OHM 2X1.25
		R812	6210TCE001A	HB-1S2012-080JT 8OHM 2X1.25
		R813	6210TCE001A	HB-1S2012-080JT 8OHM 2X1.25
		R814	6210TCE001A	HB-1S2012-080JT 8OHM 2X1.25
		R815	6210TCE001A	HB-1S2012-080JT 8OHM 2X1.25
		R816	6210TCE001A	HB-1S2012-080JT 8OHM 2X1.25
		R817	6210TCE001A	HB-1S2012-080JT 8OHM 2X1.25
		L201	0LC2000005J	FI-C2012-682KJT 6.8UH 10% -
		L202	0LC2000005J	FI-C2012-682KJT 6.8UH 10% -
		L402	0LC2000005J	FI-C2012-682KJT 6.8UH 10% -
		L403	0LC2000005J	FI-C2012-682KJT 6.8UH 10% -
TRANSISTOR				
		IC707	0TF492509AA	SI4925DY P-CHANNEL -30V +-2
		Q101	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q103	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q105	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q401	0TR150400BA	2SA1504S(ASY) PNP -5V -50V
		Q402	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q403	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q404	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q806	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q807	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q808	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q102	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q104	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q701	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q809	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q810	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q811	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50

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RESISTORS				
		R101	0RH3300D622	MCR10EZHZJ331 330OHM 5% 1/8W
		R102	0RH1000D622	MCR10EZHZJ101 100OHM 5% 1/8W
		R104	0RH1001D622	MCR10EZHZJ102 1KOHM 5% 1/8W
		R105	0RH0222D622	MCR10EZHZJ220 22OHM 5% 1/8W
		R107	0RH0000D622	MCR10EZHZJ000 0OHM 5% 1/8W 2
		R109	0RH1000D622	MCR10EZHZJ101 100OHM 5% 1/8W
		R111	0RH1000D622	MCR10EZHZJ101 100OHM 5% 1/8W
		R115	0RH1000D622	MCR10EZHZJ101 100OHM 5% 1/8W
		R120	0RH1000D622	MCR10EZHZJ101 100OHM 5% 1/8W
		R121	0RH3300D622	MCR10EZHZJ331 330OHM 5% 1/8W
		R122	0RH0000D622	MCR10EZHZJ000 0OHM 5% 1/8W 2
		R123	0RH1000D622	MCR10EZHZJ101 100OHM 5% 1/8W
		R124	0RH1000D622	MCR10EZHZJ101 100OHM 5% 1/8W
		R125	0RH1001D622	MCR10EZHZJ102 1KOHM 5% 1/8W
		R127	0RH4700D622	MCR10EZHZJ471 470OHM 5% 1/8W
		R128	0RH1004D422	MCR10EZHF105 1MOHM 1% 1/8W
		R131	0RH2001D622	MCR10EZHZJ202 2KOHM 5% 1/8W
		R132	0RH2001D622	MCR10EZHZJ202 2KOHM 5% 1/8W
		R133	0RH1000D622	MCR10EZHZJ101 100OHM 5% 1/8W
		R135	0RH6202D622	MCR10EZHZJ623 62KOHM 5% 1/8W
		R136	0RH2201D622	MCR10EZHZJ222 2.2KOHM 5% 1/8
		R140	0RH2201D622	MCR10EZHZJ222 2.2KOHM 5% 1/8
		R141	0RH2201D622	MCR10EZHZJ222 2.2KOHM 5% 1/8
		R143	0RH1000D622	MCR10EZHZJ101 100OHM 5% 1/8W
		R144	0RH1000D622	MCR10EZHZJ101 100OHM 5% 1/8W
		R145	0RH1001D622	MCR10EZHZJ102 1KOHM 5% 1/8W
		R147	0RH3301D622	MCR10EZHZJ332 3.3KOHM 5% 1/8
		R151	0RH4702D622	MCR10EZHZJ473 47KOHM 5% 1/8W
		R152	0RH2201D622	MCR10EZHZJ222 2.2KOHM 5% 1/8
		R154	0RH3301D622	MCR10EZHZJ332 3.3KOHM 5% 1/8
		R156	0RH2201D622	MCR10EZHZJ222 2.2KOHM 5% 1/8
		R163	0RH4701D622	MCR10EZHZJ472 4.7KOHM 5% 1/8
		R172	0RH1202D622	MCR10EZHZJ123 12KOHM 5% 1/8W
		R173	0RH0222D622	MCR10EZHZJ220 22OHM 5% 1/8W
		R201	0RH2200D622	MCR10EZHZJ221 220OHM 5% 1/8W
		R202	0RH4703D622	MCR10EZHZJ474 470KOHM 5% 1/8
		R203	0RH2200D622	MCR10EZHZJ221 220OHM 5% 1/8W
		R204	0RH4703D622	MCR10EZHZJ474 470KOHM 5% 1/8
		R205	0RH2200D622	MCR10EZHZJ221 220OHM 5% 1/8W
		R206	0RH4703D622	MCR10EZHZJ474 470KOHM 5% 1/8
		R207	0RH2200D622	MCR10EZHZJ221 220OHM 5% 1/8W
		R208	0RH4703D622	MCR10EZHZJ474 470KOHM 5% 1/8
		R209	0RH0222D622	MCR10EZHZJ220 22OHM 5% 1/8W
		R210	0RH0752D622	MCR10EZHZJ750 75OHM 5% 1/8W
		R211	0RH0222D622	MCR10EZHZJ220 22OHM 5% 1/8W
		R213	0RH0222D622	MCR10EZHZJ220 22OHM 5% 1/8W
		R214	0RH0822D622	MCR10EZHZJ820 82OHM 5% 1/8W
		R215	0RH0222D622	MCR10EZHZJ220 22OHM 5% 1/8W
		R216	0RH0822D622	MCR10EZHZJ820 82OHM 5% 1/8W
		R217	0RH0222D622	MCR10EZHZJ220 22OHM 5% 1/8W
		R218	0RH0822D622	MCR10EZHZJ820 82OHM 5% 1/8W
		R219	0RH2200D622	MCR10EZHZJ221 220OHM 5% 1/8W
		R220	0RH4703D622	MCR10EZHZJ474 470KOHM 5% 1/8
		R221	0RH2200D622	MCR10EZHZJ221 220OHM 5% 1/8W
		R222	0RH4703D622	MCR10EZHZJ474 470KOHM 5% 1/8
		R223	0RH2200D622	MCR10EZHZJ221 220OHM 5% 1/8W
		R224	0RH4703D622	MCR10EZHZJ474 470KOHM 5% 1/8
		R225	0RH2200D622	MCR10EZHZJ221 220OHM 5% 1/8W
		R226	0RH4703D622	MCR10EZHZJ474 470KOHM 5% 1/8
		R228	0RH1002D622	MCR10EZHZJ103 10KOHM 5% 1/8W
		R229	0RH1002D622	MCR10EZHZJ103 10KOHM 5% 1/8W

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R233	0RH1000D622	MCR10EZHJ101 100OHM 5% 1/8W
		R234	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R236	0RH1202D622	MCR10EZHJ123 12KOHM 5% 1/8W
		R237	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R238	0RH7500D622	MCR10EZHJ751 750OHM 5% 1/8W
		R239	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R240	0RH0822D622	MCR10EZHJ820 82OHM 5% 1/8W
		R241	0RH1000D622	MCR10EZHJ101 100OHM 5% 1/8W
		R242	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R243	0RH0822D622	MCR10EZHJ820 82OHM 5% 1/8W
		R244	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R245	0RH0822D622	MCR10EZHJ820 82OHM 5% 1/8W
		R247	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R248	0RH0752D622	MCR10EZHJ750 750OHM 5% 1/8W
		R249	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R250	0RH0752D622	MCR10EZHJ750 750OHM 5% 1/8W
		R251	0RH1000D622	MCR10EZHJ101 100OHM 5% 1/8W
		R255	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R261	0RH0272D622	MCR10EZHJ270 27OHM 5% 1/8W
		R262	0RH0272D622	MCR10EZHJ270 27OHM 5% 1/8W
		R263	0RH0272D622	MCR10EZHJ270 27OHM 5% 1/8W
		R401	0RH4700D622	MCR10EZHJ471 470OHM 5% 1/8W
		R402	0RH1202D622	MCR10EZHJ123 12KOHM 5% 1/8W
		R403	0RH1002D622	MCR10EZHJ103 10KOHM 5% 1/8W
		R405	0RH1002D622	MCR10EZHJ103 10KOHM 5% 1/8W
		R406	0RH0822D622	MCR10EZHJ820 82OHM 5% 1/8W
		R407	0RH1002D622	MCR10EZHJ103 10KOHM 5% 1/8W
		R408	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W
		R410	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R411	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R419	0RH1201D622	MCR10EZHJ122 1.2KOHM 5% 1/8
		R422	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R423	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R424	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R426	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R427	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R428	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R429	0RH0102D622	MCR10EZHJ100 10OHM 5% 1/8W
		R616	0RH0201D622	MCR10EZHJ2R0 2OHM 5% 1/8W 2
		R618	0RH0331D622	MCR10EZHJ3R3 3.3OHM 5% 1/8W
		R619	0RH0201D622	MCR10EZHJ2R0 2OHM 5% 1/8W 2
		R624	0RH0201D622	MCR10EZHJ2R0 2OHM 5% 1/8W 2
		R625	0RH0201D622	MCR10EZHJ2R0 2OHM 5% 1/8W 2
		R634	0RH0331D622	MCR10EZHJ3R3 3.3OHM 5% 1/8W
		R649	0RH0102D622	MCR10EZHJ100 10OHM 5% 1/8W
		R652	0RH1000D622	MCR10EZHJ101 100OHM 5% 1/8W
		R701	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R806	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R824	0RH1502D622	MCR10EZHJ153 15KOHM 5% 1/8W
		R825	0RH6801D622	MCR10EZHJ682 6.8KOHM 5% 1/8
		R826	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W
		R827	0RH1502D622	MCR10EZHJ153 15KOHM 5% 1/8W
		R828	0RH6801D622	MCR10EZHJ682 6.8KOHM 5% 1/8
		R829	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W
		R830	0RH1502D622	MCR10EZHJ153 15KOHM 5% 1/8W
		R831	0RH6801D622	MCR10EZHJ682 6.8KOHM 5% 1/8
		R832	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W
		R845	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R846	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R847	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R850	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R100	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R103	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/1
		R108	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/1
		R110	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/1
		R112	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/1
		R113	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R114	0RJ2201D677	MCR03EZPJ222 2.2KOHM 5% 1/1
		R116	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/1
		R117	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R118	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/1
		R126	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R129	0RJ1004D477	MCR03EZPF105 1MOHM 1% 1/10W
		R130	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R134	0RJ2001D677	MCR03EZPJ202 2KOHM 5% 1/10W
		R137	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R138	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10
		R139	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R142	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R146	0RJ3300D677	MCR03EZPJ331 330OHM 5% 1/10
		R148	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R149	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R150	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R153	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R155	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R157	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R158	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R159	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R160	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R161	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R162	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R164	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R166	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R230	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R231	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R256	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W
		R257	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W
		R259	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W
		R260	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W
		R604	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10
		R605	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10
		R606	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10
		R607	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10
		R608	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10
		R609	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10
		R610	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W
		R611	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R612	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R614	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R617	0RJ0471D677	MCR03EZPJ47R 4.7OHM 5% 1/10
		R620	0RJ0201D677	MCR03EZPJ2R0 2OHM 5% 1/10W
		R621	0RJ0201D677	MCR03EZPJ2R0 2OHM 5% 1/10W
		R622	0RJ0201D677	MCR03EZPJ2R0 2OHM 5% 1/10W
		R623	0RJ0201D677	MCR03EZPJ2R0 2OHM 5% 1/10W
		R626	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10
		R627	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10
		R628	0RJ0101D677	MCR03EZPJ1R0 1OHM 5% 1/10W
		R629	0RJ0101D677	MCR03EZPJ1R0 1OHM 5% 1/10W
		R630	0RJ0101D677	MCR03EZPJ1R0 1OHM 5% 1/10W
		R631	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10
		R632	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10
		R633	0RJ0101D677	MCR03EZPJ1R0 1OHM 5% 1/10W
		R636	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R637	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R650	0RJ3301D677	MCR03EZIPJ332 3.3KOHM 5% 1/1
		R651	0RJ4701D677	MCR03EZIPJ472 4.7KOHM 5% 1/1
		R653	0RJ0000D677	MCR03EZIPJ000 0OHM 5% 1/10W
		R654	0RJ0000D677	MCR03EZIPJ000 0OHM 5% 1/10W
		R655	0RJ1002D677	MCR03EZIPJ103 10KOHM 5% 1/10
		R658	0RJ1001D677	MCR03EZIPJ102 1KOHM 5% 1/10W
		R659	0RJ1001D677	MCR03EZIPJ102 1KOHM 5% 1/10W
		R660	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R661	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R662	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R703	0RJ0000D677	MCR03EZIPJ000 0OHM 5% 1/10W
		R705	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R706	0RJ1001D677	MCR03EZIPJ102 1KOHM 5% 1/10W
		R801	0RJ0000D677	MCR03EZIPJ000 0OHM 5% 1/10W
		R802	0RJ0000D677	MCR03EZIPJ000 0OHM 5% 1/10W
		R803	0RJ0000D677	MCR03EZIPJ000 0OHM 5% 1/10W
		R807	0RJ1000D677	MCR03EZIPJ101 100OHM 5% 1/10
		R808	0RJ1000D677	MCR03EZIPJ101 100OHM 5% 1/10
		R809	0RJ1000D677	MCR03EZIPJ101 100OHM 5% 1/10
		R810	0RJ1000D677	MCR03EZIPJ101 100OHM 5% 1/10
		R811	0RJ1000D677	MCR03EZIPJ101 100OHM 5% 1/10
		R836	0RJ1502D677	MCR03EZIPJ153 15KOHM 5% 1/10
		R837	0RJ6801D677	MCR03EZIPJ682 6.8KOHM 5% 1/1
		R838	0RJ1001D677	MCR03EZIPJ102 1KOHM 5% 1/10W
		R839	0RJ1502D677	MCR03EZIPJ153 15KOHM 5% 1/10
		R840	0RJ6801D677	MCR03EZIPJ682 6.8KOHM 5% 1/1
		R841	0RJ1001D677	MCR03EZIPJ102 1KOHM 5% 1/10W
		R842	0RJ1502D677	MCR03EZIPJ153 15KOHM 5% 1/10
		R843	0RJ6801D677	MCR03EZIPJ682 6.8KOHM 5% 1/1
		R844	0RJ1001D677	MCR03EZIPJ102 1KOHM 5% 1/10W
OTHERs				
		X101	6202VDT002D	SX-1 8MHZ 30PPM 8MHZ 30PPM
		TU402	6634D00010B	TASA-H301P NTSC 54T0864MHZ
		TU401	6700NF0019C	TAFM-H109P NTSC-M/US 55.25H
MAIN BOARD(Digital)				
CAPACITOR				
		C1001	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16
		C1002	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16
		C1006	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20%
		C1010	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20%
		C1014	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16
		C1015	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16
		C1019	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C102	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C1022	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16
		C1028	0CE335WK6D8	MVK4.0TP50VC3.3M 3.3uF 20%
		C1033	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16
		C105	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C1052	0CE335WK6D8	MVK4.0TP50VC3.3M 3.3uF 20%
		C1054	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16
		C1057	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20%
		C106	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C1060	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16
		C1061	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16
		C1066	0CE475WK6DC	MVK5.0TP50VC4.7M 4.7uF 20%
		C1067	0CE475WK6DC	MVK5.0TP50VC4.7M 4.7uF 20%
		C1138	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C1188	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C1190	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C1194	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C1200	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16
		C1208	0CE475WK6DC	MVK5.0TP50VC4.7M 4.7uF 20%
		C1209	0CE105WK6DC	MVK4.0TP50VC1M 1uF 20% 50V
		C1218	0CE335WK6D8	MVK4.0TP50VC3.3M 3.3uF 20%
		C1300	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16
		C1310	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16
		C1318	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16
		C1321	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16
		C1402	0CE477WF6DC	MVK10TP16VC470M 470uF 20% 1
		C1405	0CE477WF6DC	MVK10TP16VC470M 470uF 20% 1
		C1411	0CE477WF6DC	MVK10TP16VC470M 470uF 20% 1
		C1414	0CE477WF6DC	MVK10TP16VC470M 470uF 20% 1
		C1417	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C1420	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C1430	0CE476WH6DC	MVK8.0TP25VC47M 47uF 20% 25
		C1432	0CE476WH6DC	MVK8.0TP25VC47M 47uF 20% 25
		C1435	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C1438	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C1449	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20%
		C1452	0CE476WH6DC	MVK8.0TP25VC47M 47uF 20% 25
		C1601	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16
		C1607	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16
		C1622	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16
		C1630	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16
		C1636	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16
		C1647	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16
		C1655	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16
		C1743	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C1745	0CE106SF6DC	VMV106M016S0ANB010 10uF 20%
		C1749	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16
		C1752	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16
		C202	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16
		C203	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16
		C206	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16
		C343	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16
		C459	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16
		C486	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C488	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16
		C534	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16
		C537	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16
		C548	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16
		C549	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16
		C550	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16
		C559	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16
		C605	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16
		C609	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16
		C678	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C684	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C686	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16
		C689	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16
		C694	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16
		C695	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16
		C701	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16
		C704	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20%
		C705	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C708	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20%
		C709	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16
		C711	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16
		C713	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16
		C715	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C719	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16
		C771	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16
		C775	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C778	0CE106SF6DC	VMV106M016S0ANB010 10uF 20%
		C780	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16
		C782	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16
		C784	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16
		C786	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16
		C789	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16
		C800	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C802	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20%
		C813	0CE105WK6DC	MVK4.0TP50VC1M 1uF 20% 50V
		C814	0CE105WK6DC	MVK4.0TP50VC1M 1uF 20% 50V
		C818	0CE105WK6DC	MVK4.0TP50VC1M 1uF 20% 50V
		C819	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16
		C820	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16
		C822	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C823	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C848	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C849	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C860	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C862	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16
		C863	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16
		C864	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16
		C917	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16
		C919	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16
		C921	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16
		C924	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16
		C926	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16
		C927	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16
		C933	0CE476WH6DC	MVK8.0TP25VC47M 47uF 20% 25
		C939	0CE476SF6DC	VMV476M016S0ANC010 47uF 20%
		C100	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1000	0CH3103K516	C2012Y5P1H103KT 10nF 10% 50
		C1003	0CH6470K416	C2012C0G1H470JT 47pF 5% 50V
		C1005	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1007	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1008	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1009	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1011	0CH6470K416	C2012C0G1H470JT 47pF 5% 50V
		C1012	0CH3103K516	C2012Y5P1H103KT 10nF 10% 50
		C1013	0CH6152K406	C2012S2L1H152JT 1.5nF 5% 50
		C1016	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1017	0CH2822K516	0805B822K500CT 8.2nF 10% 50
		C1018	0CH6152K406	C2012S2L1H152JT 1.5nF 5% 50
		C1020	0CH3103K516	C2012Y5P1H103KT 10nF 10% 50
		C1021	0CH3103K516	C2012Y5P1H103KT 10nF 10% 50
		C1023	0CH5020K116	0805N2R0D500LT 2pF 0.5PF 50
		C1024	0CH5020K116	0805N2R0D500LT 2pF 0.5PF 50
		C1027	0CH6560K416	C2012C0G1H560JT 56pF 5% 50V
		C1029	0CH3103K516	C2012Y5P1H103KT 10nF 10% 50
		C103	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1030	0CH3474H946	C2012Y5V1E474ZT 470nF -20TO
		C1031	0CH3222K516	C2012Y5P1H222KT 2.2nF 10% 5
		C1032	0CH3474H946	C2012Y5V1E474ZT 470nF -20TO
		C1034	0CH3222K516	C2012Y5P1H222KT 2.2nF 10% 5
		C1035	0CH3474H946	C2012Y5V1E474ZT 470nF -20TO
		C1037	0CH3222K516	C2012Y5P1H222KT 2.2nF 10% 5
		C1038	0CH3474H946	C2012Y5V1E474ZT 470nF -20TO
		C1039	0CH3222K516	C2012Y5P1H222KT 2.2nF 10% 5
		C104	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1041	0CH3474H946	C2012Y5V1E474ZT 470nF -20TO

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C1042	0CH3222K516	C2012Y5P1H222KT 2.2nF 10% 5
		C1043	0CH3474H946	C2012Y5V1E474ZT 470nF -20TO
		C1045	0CH3222K516	C2012Y5P1H222KT 2.2nF 10% 5
		C1046	0CH3474H946	C2012Y5V1E474ZT 470nF -20TO
		C1047	0CH3222K516	C2012Y5P1H222KT 2.2nF 10% 5
		C1048	0CH3474H946	C2012Y5V1E474ZT 470nF -20TO
		C1049	0CH3222K516	C2012Y5P1H222KT 2.2nF 10% 5
		C1050	0CH3103K516	C2012Y5P1H103KT 10nF 10% 50
		C1055	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1059	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1065	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1068	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1069	0CH3104K566	0805B104K500CT 100nF 10% 50
		C107	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1070	0CH6560K416	C2012C0G1H560JT 56pF 5% 50V
		C108	0CH3104K566	0805B104K500CT 100nF 10% 50
		C109	0CH3104K566	0805B104K500CT 100nF 10% 50
		C110	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1101	0CK476FD67A	LMK325BJ476MM-T 47uF 20% 10
		C1102	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1104	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1106	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1107	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1108	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1109	0CH3104K566	0805B104K500CT 100nF 10% 50
		C111	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1110	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1111	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1112	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1113	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1114	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1115	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1116	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1117	0CH3104K566	0805B104K500CT 100nF 10% 50
		C112	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1121	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1122	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1123	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1124	0CH3104K566	0805B104K500CT 100nF 10% 50
		C113	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1131	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1132	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1134	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1136	0CH3105F946	C2012Y5V1C105ZT 1uF -20TO+8
		C1137	0CH3104K566	0805B104K500CT 100nF 10% 50
		C114	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1145	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1146	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1147	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1148	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1149	0CH3104K566	0805B104K500CT 100nF 10% 50
		C115	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1150	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1151	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1154	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1155	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1156	0CH3104K566	0805B104K500CT 100nF 10% 50
		C116	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1160	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1163	0CH3105F946	C2012Y5V1C105ZT 1uF -20TO+8
		C1164	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1165	0CH3104K566	0805B104K500CT 100nF 10% 50

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C1168	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1169	0CH3104K566	0805B104K500CT 100nF 10% 50
		C117	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1170	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1171	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1172	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1173	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1174	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1175	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1176	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1177	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1178	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1179	0CH3104K566	0805B104K500CT 100nF 10% 50
		C118	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1180	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1187	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1189	0CH3104K566	0805B104K500CT 100nF 10% 50
		C119	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1191	0CK476FD67A	LMK325BJ476MM-T 47uF 20% 10
		C1193	0CH5100K416	0805N100J500LT 10pF 5% 50V
		C1195	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1196	0CH3104K566	0805B104K500CT 100nF 10% 50
		C120	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1201	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1203	0CH2392K516	0805B392K500CT 3.9nF 10% 50
		C1204	0CH5561K416	0805N561J500LT 560pF 5% 50V
		C1207	0CH5561K416	0805N561J500LT 560pF 5% 50V
		C121	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1210	0CH6471K416	C2012C0G1H471JT 470pF 5% 50
		C1212	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1214	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1215	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1217	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1219	0CH6101K416	C2012C0G1H101JT 100pF 5% 50
		C122	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1220	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1224	0CH6101K416	C2012C0G1H101JT 100pF 5% 50
		C1226	0CH6220K416	C2012C0G1H220JT 22pF 5% 50V
		C123	0CH3104K566	0805B104K500CT 100nF 10% 50
		C124	0CH3104K566	0805B104K500CT 100nF 10% 50
		C125	0CH3104K566	0805B104K500CT 100nF 10% 50
		C126	0CH3104K566	0805B104K500CT 100nF 10% 50
		C127	0CH3104K566	0805B104K500CT 100nF 10% 50
		C128	0CH3104K566	0805B104K500CT 100nF 10% 50
		C129	0CH3104K566	0805B104K500CT 100nF 10% 50
		C130	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1301	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1302	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1303	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1304	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1305	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1306	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1307	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1308	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1309	0CH3104K566	0805B104K500CT 100nF 10% 50
		C131	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1311	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1312	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1313	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1314	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1315	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1317	0CH3104K566	0805B104K500CT 100nF 10% 50

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C1319	0CH3104K566	0805B104K500CT 100nF 10% 50
		C132	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1320	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1322	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1326	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1329	0CH6221K416	C2012C0G1H221JT 220pF 5% 50
		C133	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1331	0CH6221K416	C2012C0G1H221JT 220pF 5% 50
		C1333	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1334	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1335	0CH3105F946	C2012Y5V1C105ZT 1uF -20TO+8
		C1336	0CH3105F946	C2012Y5V1C105ZT 1uF -20TO+8
		C1337	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1338	0CH3104K566	0805B104K500CT 100nF 10% 50
		C134	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1401	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1403	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1404	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1406	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1410	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1412	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1413	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1415	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1418	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1419	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1429	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1431	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1433	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1434	0CH3103K516	C2012Y5P1H103KT 10nF 10% 50
		C1436	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1437	0CH3103K516	C2012Y5P1H103KT 10nF 10% 50
		C1445	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1446	0CK476FD67A	LMK325BJ476MM-T 47uF 20% 10
		C1447	0CH3334K946	C2012Y5V1H334ZT 330nF -20TO
		C1448	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1450	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1451	0CH3103K516	C2012Y5P1H103KT 10nF 10% 50
		C1602	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1603	0CH3103K516	C2012Y5P1H103KT 10nF 10% 50
		C1604	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1606	0CH2822K516	0805B822K500CT 8.2nF 10% 50
		C1608	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1609	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1610	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1611	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1612	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1613	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1614	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1615	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1616	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1617	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1618	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1619	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1623	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1627	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1628	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1629	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1631	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1633	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1634	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1635	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1638	0CH3104K566	0805B104K500CT 100nF 10% 50

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C932	0CH3104K566	0805B104K500CT 100nF 10% 50
		C934	0CH3104K566	0805B104K500CT 100nF 10% 50
		C935	0CH3104K566	0805B104K500CT 100nF 10% 50
		C936	0CH3104K566	0805B104K500CT 100nF 10% 50
		C937	0CH3104K566	0805B104K500CT 100nF 10% 50
		C938	0CH3104K566	0805B104K500CT 100nF 10% 50
		C940	0CH3104K566	0805B104K500CT 100nF 10% 50
		C941	0CH3104K566	0805B104K500CT 100nF 10% 50
		C942	0CH3104K566	0805B104K500CT 100nF 10% 50
		C943	0CH3104K566	0805B104K500CT 100nF 10% 50
		C944	0CH3104K566	0805B104K500CT 100nF 10% 50
		C1004	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1025	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1026	0CC560CK41A	C1608C0G1H560JT 56pF 5% 50V
		C1036	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1040	0CK103CK51A	0603B103K500CT 10nF 10% 50V
		C1044	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50
		C1051	0CC471CK41A	C1608C0G1H471JT 470pF 5% 50
		C1053	0CK472CK51A	C1608Y5P1H472KT 4.7nF 10% 5
		C1056	0CK103CK51A	0603B103K500CT 10nF 10% 50V
		C1058	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1062	0CK103CK51A	0603B103K500CT 10nF 10% 50V
		C1063	0CK103CK51A	0603B103K500CT 10nF 10% 50V
		C1064	0CK103CK51A	0603B103K500CT 10nF 10% 50V
		C1103	0CK476FD67A	LMK325BJ476MM-T 47uF 20% 10
		C1105	0CK476FD67A	LMK325BJ476MM-T 47uF 20% 10
		C1127	0CC200CK41A	C1608C0G1H200JT 20pF 5% 50V
		C1128	0CC200CK41A	C1608C0G1H200JT 20pF 5% 50V
		C1129	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1130	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1139	0CK103CK51A	0603B103K500CT 10nF 10% 50V
		C1140	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1143	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1144	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1152	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1153	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1157	0CK102CK56A	0603B102K500CT 1nF 10% 50V
		C1158	0CK102CK56A	0603B102K500CT 1nF 10% 50V
		C1159	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1161	0CK103CK51A	0603B103K500CT 10nF 10% 50V
		C1162	0CK103CK51A	0603B103K500CT 10nF 10% 50V
		C1166	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1167	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1181	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1182	0CK476FD67A	LMK325BJ476MM-T 47uF 20% 10
		C1183	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1185	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1186	0CK476FD67A	LMK325BJ476MM-T 47uF 20% 10
		C1197	0CK476FD67A	LMK325BJ476MM-T 47uF 20% 10
		C1198	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1199	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1205	0CC200CK41A	C1608C0G1H200JT 20pF 5% 50V
		C1206	0CC200CK41A	C1608C0G1H200JT 20pF 5% 50V
		C1211	0CC271CK41A	C1608C0G1H271JT 270pF 5% 50
		C1213	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1216	0CK102CK56A	0603B102K500CT 1nF 10% 50V
		C1221	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1222	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50
		C1223	0CC220CK41A	C1608C0G1H220JT 22pF 5% 50V
		C1225	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50
		C1227	0CC180CK41A	C1608C0G1H180JT 18pF 5% 50V
		C1228	0CC180CK41A	C1608C0G1H180JT 18pF 5% 50V

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		C1229	0CC220CK41A	C1608C0G1H220JT 22pF 5% 50V
		C1316	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1323	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1324	0CC180CK41A	C1608C0G1H180JT 18pF 5% 50V
		C1325	0CC180CK41A	C1608C0G1H180JT 18pF 5% 50V
		C1327	0CK476FD67A	LMK325BJ476MM-T 47uF 20% 10
		C1332	0CK476FD67A	LMK325BJ476MM-T 47uF 20% 10
		C1600	0CK823CK56A	0603B823K500CT 82nF 10% 50V
		C1621	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1650	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1651	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1652	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1656	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1657	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1658	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1705	0CC221CK41A	C1608C0G1H221JT 220pF 5% 50
		C1706	0CC331CK41A	C1608C0G1H331JT 330pF 5% 50
		C1709	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1720	0CC180CK41A	C1608C0G1H180JT 18pF 5% 50V
		C1721	0CC180CK41A	C1608C0G1H180JT 18pF 5% 50V
		C1730	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1731	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1732	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1733	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1734	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1737	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1738	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1739	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1740	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1741	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1747	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1748	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C1756	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C204	0CC331CK41A	C1608C0G1H331JT 330pF 5% 50
		C205	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C207	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C208	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C209	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C210	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C211	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C231	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C239	0CC470CK41A	C1608C0G1H470JT 47pF 5% 50V
		C243	0CC330CK41A	C1608C0G1H330JT 33pF 5% 50V
		C300	0CK103CK51A	0603B103K500CT 10nF 10% 50V
		C301	0CK103CK51A	0603B103K500CT 10nF 10% 50V
		C302	0CK103CK51A	0603B103K500CT 10nF 10% 50V
		C303	0CK103CK51A	0603B103K500CT 10nF 10% 50V
		C3129	0CC330CK41A	C1608C0G1H330JT 33pF 5% 50V
		C324	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C337	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C341	0CC221CK41A	C1608C0G1H221JT 220pF 5% 50
		C342	0CC221CK41A	C1608C0G1H221JT 220pF 5% 50
		C346	0CK476FD67A	LMK325BJ476MM-T 47uF 20% 10
		C347	0CK476FD67A	LMK325BJ476MM-T 47uF 20% 10
		C461	0CK103CK51A	0603B103K500CT 10nF 10% 50V
		C462	0CK103CK51A	0603B103K500CT 10nF 10% 50V
		C509	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C519	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C526	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C540	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C560	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C561	0CK104CK56A	0603B104K500CT 100nF 10% 50

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		C612	0CC180CK41A	C1608C0G1H180JT 18pF 5% 50V
		C613	0CC180CK41A	C1608C0G1H180JT 18pF 5% 50V
		C656	0CK103CK51A	0603B103K500CT 10nF 10% 50V
		C691	0CK473CK56A	C1608X7R1H473KT 47nF 10% 50
		C692	0CK473CK56A	C1608X7R1H473KT 47nF 10% 50
		C693	0CK473CK56A	C1608X7R1H473KT 47nF 10% 50
		C699	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C735	0CC221CK41A	C1608C0G1H221JT 220pF 5% 50
		C736	0CC331CK41A	C1608C0G1H331JT 330pF 5% 50
		C737	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C748	0CC180CK41A	C1608C0G1H180JT 18pF 5% 50V
		C749	0CC180CK41A	C1608C0G1H180JT 18pF 5% 50V
		C757	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C760	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C761	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C762	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C765	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C766	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C767	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C768	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C769	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C770	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C774	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C777	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C801	0CK103CK51A	0603B103K500CT 10nF 10% 50V
		C815	0CK474CH94A	0603F474Z250CT 470nF -20TO+
		C825	0CK103CK51A	0603B103K500CT 10nF 10% 50V
		C826	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C829	0CK474CH94A	0603F474Z250CT 470nF -20TO+
		C830	0CK474CH94A	0603F474Z250CT 470nF -20TO+
		C831	0CK474CH94A	0603F474Z250CT 470nF -20TO+
		C832	0CK474CH94A	0603F474Z250CT 470nF -20TO+
		C833	0CK474CH94A	0603F474Z250CT 470nF -20TO+
		C834	0CK474CH94A	0603F474Z250CT 470nF -20TO+
		C835	0CK474CH94A	0603F474Z250CT 470nF -20TO+
		C836	0CK474CH94A	0603F474Z250CT 470nF -20TO+
		C837	0CK474CH94A	0603F474Z250CT 470nF -20TO+
		C838	0CK474CH94A	0603F474Z250CT 470nF -20TO+
		C839	0CK474CH94A	0603F474Z250CT 470nF -20TO+
		C840	0CK474CH94A	0603F474Z250CT 470nF -20TO+
		C843	0CK474CH94A	0603F474Z250CT 470nF -20TO+
		C844	0CK474CH94A	0603F474Z250CT 470nF -20TO+
		C845	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50
		C847	0CK472CK51A	C1608Y5P1H472KT 4.7nF 10% 5
		C904	0CC220CK41A	C1608C0G1H220JT 22pF 5% 50V
DIODES				
		D1200	0DD184009AA	KDS184 KDS184 TP KEC - 85V
		D1201	0DD184009AA	KDS184 KDS184 TP KEC - 85V
		D600	0DD184009AA	KDS184 KDS184 TP KEC - 85V
		D801	0DD184009AA	KDS184 KDS184 TP KEC - 85V
		D802	0DD184009AA	KDS184 KDS184 TP KEC - 85V
		D1202	0DRSE00038A	SDC15 1.3V 14.3VTO16.4V 21.
		D1203	0DRSE00038A	SDC15 1.3V 14.3VTO16.4V 21.
		D1204	0DRSE00038A	SDC15 1.3V 14.3VTO16.4V 21.
		IC1304	0DRSE00048A	RLCAMP0504M 1.2V 6V 25V 12A
		IC1406	0DRSE00048A	RLCAMP0504M 1.2V 6V 25V 12A
		IC606	0DRSE00048A	RLCAMP0504M 1.2V 6V 25V 12A
		IC607	0DRSE00048A	RLCAMP0504M 1.2V 6V 25V 12A
		ZD1000	0DZ820009AK	UDZS8.2B 8.2V 8.02TO8.36V 3

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IC				
		IC1001	0ICB533100A	CS5331A-KSR 4.75TO5.25V 48K
		IC604	0IPRPAD008B	AD9883AKSTZ-110 2.2TO3.6V -
		IC801	0ISO206900A	CXA2069Q 8.5TO9.5V -- 1300
		IC1300	0IPRP00018A	"TSB43DA42AZHCR,LF 3TO3.6V_1"
		IC206	0IMCRCY002A	CY2309SXC-1HT 3TO3.6V ---
		IC207	0IMCRCY001A	CY2305SC-1HT 3TO3.6V ---
		IC300	0IMCRPH026B	PA9516APW 0.5TO7.0 -- 0W 3
		IC100	0IPRPBM001B	PPC405GPR-3JB266C 1.7TO1.9V
		IC1000	0IMCRFA013A	74LCX244MTC 2TO3.6V 0.01mA
		IC1004	0ITO741570C	TC74LCX157FT 2TO3.6V 0.01mA
		IC1106	0IMCRFA013A	74LCX244MTC 2TO3.6V 0.01mA
		IC1202	0ISTL00024A	MC14053BDR2G 3TO18V 0.02mA
		IC205	0ISTLPH026A	74LVC14APW 1.2TO3.6V 0.01mA
		IC303	0ISTL00024A	MC14053BDR2G 3TO18V 0.02mA
		IC1203	0IPMGNS026A	LM311MX 5V +-15V +-30V 50NA
		IC301	0IMMRMP008A	24LC512 512KBIT 64KX8BIT -
		IC603	0IMMRSG036A	M24C02-WMN6TP 2KBIT 256X8BI
		IC608	0IPRPFA016A	FMS6407MTC20X-NL(PB) 4.75VT
		IC707	0IPRPFA015B	"FMS6400CS1X,LF 4.75VTO5.25V"
		IC708	0IPRPFA015B	"FMS6400CS1X,LF 4.75VTO5.25V"
		IC101	0IMCRSJ001A	SC1565IST-1.8 2.2TO5.5V 1.8
		IC1103	0IMCRSJ001B	SC1565IST-2.5TR 2.2TO5V 2.5
		IC1107	0IRH033200A	BA033FP-E2 4.3TO25V 3.3V 1W
		IC1108	0IMCRSJ001A	SC1565IST-1.8 2.2TO5.5V 1.8
		IC1303	0IPMGRH001D	BA15BC0FP-E2 3TO16V 1.5V 1.
		IC306	0IMCRSJ001A	SC1565IST-1.8 2.2TO5.5V 1.8
		IC400	0IMCRSJ001A	SC1565IST-1.8 2.2TO5.5V 1.8
		IC600	0IMCRSJ001A	SC1565IST-1.8 2.2TO5.5V 1.8
		IC605	0IRH033200A	BA033FP-E2 4.3TO25V 3.3V 1W
		IC703	0IRH033200A	BA033FP-E2 4.3TO25V 3.3V 1W
		IC704	0IPMGRH001D	BA15BC0FP-E2 3TO16V 1.5V 1.
		IC905	0IMCRSJ001A	SC1565IST-1.8 2.2TO5.5V 1.8
		IC1200	0IMCRMT003A	MM1108XFFE 4.5TO5.5V 4.4mA
		IC1201	0IMCRMP007A	PIC18F242T-I/SO 2TO5.5V 28m
		IC1204	0IMCRMP006A	PIC18F1220T-I/SO 4.2TO5.5V
		IC1002	0ISTL00029A	MC33078DR2G +-5TO+-18V 2mV
		IC208	0IMCRXL004A	XC95288XL-10TQG144C 3TO3.6V
		IC304	0IMCRXL003B	XC95144XL-10TQG144C 3TO3.6V
		IC504	0ICTMLG013B	"LGDT1901B 3.6VTO3.0V,0.0VTO"
		IC1005	0ICB841500B	"CS8415A-CZR 4.5TO5.2.85TO"
		IC1102	0ICTM00006A	"LGDT3701A 3.0VTO3.6V,1.62VT"
		IC601	0IPRPS5006A	"SIL9021CTU 3.0VTO3.6V,1.62V"
		IC1104	0IPMGLT008A	LTC1470CS8TRPBF 2.7TO3.6V_4
		IC200	0IMMRHY038E	HY57V561620CTP-H 256MBIT 4M
		IC201	0IMMRHY038E	HY57V561620CTP-H 256MBIT 4M
		IC500	0IMMR00230A	M12L64164A-5TG 64MBIT 16BIT
		IC501	0IMMR00230A	M12L64164A-5TG 64MBIT 16BIT
		IC502	0IMMR00230A	M12L64164A-5TG 64MBIT 16BIT
		IC503	0IMMR00230A	M12L64164A-5TG 64MBIT 16BIT
		IC701	0IMMRB006B	M12L16161A-7TG 16MBIT 512KX
		IC702	0IMMRB006B	M12L16161A-7TG 16MBIT 512KX
		IC1003	0IMCRMN027B	MSP4440G-QA-C13-101 7.6TO8.
		IC1101	0ICTMLG017A	"LGDT3502B 3.0TO3.6,2.25TO2."
		IC302	0IMCRSG010A	ST3232CDR 3.0TO5.5 - SOP R/
		IC903	0ITH638300C	THC63LVDM83R 3.0TO3.6 500MW
		IC202	0IZZ9H0130A	IC202 FUJITSU TSOP 48PIN FL-Pb Free
		IC202	0IZZTSZ771A	32LX2D-UA FLASH 48P 1
		IC203	0IZZ9H0131A	IC203 FUJITSU TSOP 48PIN FL-Pb Free
		IC203	0IZZTSZ772A	32LX2D-UA FLASH 48P 2
		IC209	0IZZTSZ773A	32LX2D-UA AUTODEMO 48P 1
		IC210	0IZZTSZ774A	32LX2D-UA AUTODEMO 48P 2

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		IC305	0IPRP00032A	"SIL3512ECTU128,LF SILICON I"
		IC705	0IPRPNE008A	UPD64011BGM-8ED-A 3.0VTO3.6
		IC706	0IPRPNE008A	UPD64011BGM-8ED-A 3.0VTO3.6
		IC401	0ICTMLG009C	"LGDT1102C HD2.3 3.0VTO3.6V,"
		IC804	0IMCRSO025A	CXA2181Q 4.75VTO5.25V - 1.6
		IC902	0ICTMLG018B	"LGDP4411 3.0VTO3.6V,1.62VTO"
		IC204	0IKE702900G	KIA7029AF -0.3TO15V 2.9V 50
		IC1401	0IMCRSH001A	PQ05DZ1U 6TO16V 5V 8W D2PAK
		IC1404	0IMCRFA010A	KA7809R 11.5TO24V 9V 150W D
		IC1405	0IMCRSH001A	PQ05DZ1U 6TO16V 5V 8W D2PAK
COIL & CORE & & FILTER & INDUCTOR				
		L1401	6140VB0004B	LN-15A1 26uH - - 12X9MM LEA
		L1402	6140VB0004B	LN-15A1 26uH - - 12X9MM LEA
		L1403	6140VB0004B	LN-15A1 26uH - - 12X9MM LEA
		L1411	6140VB0004B	LN-15A1 26uH - - 12X9MM LEA
		L1413	6140VB0004B	LN-15A1 26uH - - 12X9MM LEA
		L100	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L1000	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L1001	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L1002	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L1005	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L1006	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L1007	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L1008	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L1103	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L1107	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L1111	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L1112	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L1114	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L1201	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L1203	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L1300	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L1301	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L1302	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L1303	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L1405	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L1406	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L1409	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L1410	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L200	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L300	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L301	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L302	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L401	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L501	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L600	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L601	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L602	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L603	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L604	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L605	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L606	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L607	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L610	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L702	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L703	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L704	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L705	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L707	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L708	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X

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		L709	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L710	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L715	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L801	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L816	6210TCE001P	HB-1S2012-121JT 120OHM 2X1.
		L901	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L902	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L903	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L904	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L905	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L101	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L1113	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L1115	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L400	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L506	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L714	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L805	6210TCE001P	HB-1S2012-121JT 120OHM 2X1.
		L806	6210TCE001P	HB-1S2012-121JT 120OHM 2X1.
		L808	6210TCE001P	HB-1S2012-121JT 120OHM 2X1.
		L810	6210TCE001P	HB-1S2012-121JT 120OHM 2X1.
		L812	6210TCE001P	HB-1S2012-121JT 120OHM 2X1.
		L814	6210TCE001P	HB-1S2012-121JT 120OHM 2X1.
		FL1200	6200VJT001A	BMK400 LPF(EMI) - 45pF 37NH
		R523	6200J000012	NFL21SP207X1C3D LPF(EMI) 20
		L1003	0LC1020101A	FI-B2012-102KJT 1UH 10% - 1
		L1004	0LC1020101A	FI-B2012-102KJT 1UH 10% - 1
		L608	0LC1032101A	FI-C3216-103KJT 10UH 10% -
		L609	0LC1032101A	FI-C3216-103KJT 10UH 10% -
		L800	0LC2000005K	FI-D2012-223KJT 22UH 10% -
		L804	0LC2000005K	FI-D2012-223KJT 22UH 10% -
		L1108	0LC2000005K	FI-D2012-223KJT 22UH 10% -
		L1109	0LC2000005K	FI-D2012-223KJT 22UH 10% -
		L802	0LC2000005K	FI-D2012-223KJT 22UH 10% -
		L701	0LCTA00006E	LEM2520T390J 39UH 5% - 90MA
		L706	0LCTA00006E	LEM2520T390J 39UH 5% - 90MA
		L712	0LCTA00006E	LEM2520T390J 39UH 5% - 90MA
		L717	0LCTA00006E	LEM2520T390J 39UH 5% - 90MA
		CH1300	6140VB0021A	944CM-0004=P3 - - - - -
		CH1301	6140VB0021A	944CM-0004=P3 - - - - -
		L711	0LCTA00006E	LEM2520T390J 39UH 5% - 90MA
		L718	0LCTA00006E	LEM2520T390J 39UH 5% - 90MA
TRANSISTOR				
		Q600	0TR830009BA	BSS83 N-CHANNEL MOSFET 10V
		Q601	0TR830009BA	BSS83 N-CHANNEL MOSFET 10V
		Q602	0TR830009BA	BSS83 N-CHANNEL MOSFET 10V
		IC904	0TF492509AA	SI4925DY P-CHANNEL -30V +-2
		Q1000	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q1001	0TR150400BA	2SA1504S(ASY) PNP -5V -50V
		Q1002	0TR150400BA	2SA1504S(ASY) PNP -5V -50V
		Q1003	0TR150400BA	2SA1504S(ASY) PNP -5V -50V
		Q1004	0TR150400BA	2SA1504S(ASY) PNP -5V -50V
		Q1101	0TR150400BA	2SA1504S(ASY) PNP -5V -50V
		Q1102	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q1200	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q1202	0TR390409AE	KST3904 NPN 6V 60V 40V 200M
		Q1204	0TR390609FA	KST3906-MTF PNP -5V -40V -4
		Q603	0TR102009AJ	KRC102S NPN 30V 0V 50V 100M
		Q604	0TR102009AJ	KRC102S NPN 30V 0V 50V 100M
		Q703	0TR150400BA	2SA1504S(ASY) PNP -5V -50V
		Q704	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50

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		Q708	0TR150400BA	2SA1504S(ASY) PNP -5V -50V
		Q709	0TR150400BA	2SA1504S(ASY) PNP -5V -50V
		Q710	0TR150400BA	2SA1504S(ASY) PNP -5V -50V
		Q711	0TR150400BA	2SA1504S(ASY) PNP -5V -50V
		Q712	0TR150400BA	2SA1504S(ASY) PNP -5V -50V
		Q800	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q801	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q802	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q803	0TR150400BA	2SA1504S(ASY) PNP -5V -50V
		Q804	0TR150400BA	2SA1504S(ASY) PNP -5V -50V
		Q806	0TR150400BA	2SA1504S(ASY) PNP -5V -50V
		Q807	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q808	0TR150400BA	2SA1504S(ASY) PNP -5V -50V
		Q809	0TR150400BA	2SA1504S(ASY) PNP -5V -50V
		Q812	0TR150400BA	2SA1504S(ASY) PNP -5V -50V
		Q813	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q814	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q815	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q816	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q817	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q821	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q822	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q823	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q824	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q901	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q902	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q1005	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q1006	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q1007	0TR102008AA	KRA102S PNP -30V - -50V -0.
		Q1203	0TR390609FA	KST3906-MTF PNP -5V -40V -4
		Q702	0TR150400BA	2SA1504S(ASY) PNP -5V -50V
		Q707	0TR150400BA	2SA1504S(ASY) PNP -5V -50V
		Q805	0TR150400BA	2SA1504S(ASY) PNP -5V -50V
		Q825	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
RESISTORS				
		AR100	0RJ4701C687	RCA86TRJ4K70 4.7KOHM 5% 1/1
		AR101	0RJ4701C687	RCA86TRJ4K70 4.7KOHM 5% 1/1
		AR102	0RJ4701C687	RCA86TRJ4K70 4.7KOHM 5% 1/1
		AR103	0RJ4701C687	RCA86TRJ4K70 4.7KOHM 5% 1/1
		AR104	0RJ4701C687	RCA86TRJ4K70 4.7KOHM 5% 1/1
		AR105	0RJ4701C687	RCA86TRJ4K70 4.7KOHM 5% 1/1
		AR106	0RJ4701C687	RCA86TRJ4K70 4.7KOHM 5% 1/1
		AR107	0RJ4701C687	RCA86TRJ4K70 4.7KOHM 5% 1/1
		AR108	0RJ4701C687	RCA86TRJ4K70 4.7KOHM 5% 1/1
		AR109	0RJ4701C687	RCA86TRJ4K70 4.7KOHM 5% 1/1
		AR110	0RJ4701C687	RCA86TRJ4K70 4.7KOHM 5% 1/1
		AR1101	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W
		AR1102	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W
		AR1103	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W
		AR1104	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W
		AR1105	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W
		AR111	0RJ4701C687	RCA86TRJ4K70 4.7KOHM 5% 1/1
		AR112	0RJ4701C687	RCA86TRJ4K70 4.7KOHM 5% 1/1
		AR113	0RJ4701C687	RCA86TRJ4K70 4.7KOHM 5% 1/1
		AR114	0RJ4701C687	RCA86TRJ4K70 4.7KOHM 5% 1/1
		AR300	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W
		AR301	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W
		AR302	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W
		AR303	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W
		AR401	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W

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		AR402	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W
		AR403	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W
		AR404	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W
		AR405	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W
		AR406	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W
		AR601	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W
		AR602	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W
		AR603	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W
		AR604	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W
		AR605	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W
		AR606	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W
		AR608	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W
		AR609	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W
		AR610	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W
		AR611	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W
		AR612	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W
		AR613	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W
		AR700	0RJ1000C687	RCA86TRJ100R 100OHM 5% 1/16
		AR701	0RJ1000C687	RCA86TRJ100R 100OHM 5% 1/16
		AR702	0RJ1000C687	RCA86TRJ100R 100OHM 5% 1/16
		AR703	0RJ1000C687	RCA86TRJ100R 100OHM 5% 1/16
		AR704	0RJ1000C687	RCA86TRJ100R 100OHM 5% 1/16
		AR705	0RJ1000C687	RCA86TRJ100R 100OHM 5% 1/16
		AR706	0RJ1000C687	RCA86TRJ100R 100OHM 5% 1/16
		AR707	0RJ1000C687	RCA86TRJ100R 100OHM 5% 1/16
		AR708	0RJ1000C687	RCA86TRJ100R 100OHM 5% 1/16
		AR709	0RJ1000C687	RCA86TRJ100R 100OHM 5% 1/16
		AR710	0RJ1000C687	RCA86TRJ100R 100OHM 5% 1/16
		AR711	0RJ1000C687	RCA86TRJ100R 100OHM 5% 1/16
		AR901	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W
		AR902	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W
		AR903	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W
		AR904	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W
		AR905	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W
		AR906	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W
		R100	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R1001	0RH1500D622	MCR10EZHJ151 150OHM 5% 1/8W
		R1002	0RH1002D622	MCR10EZHJ103 10KOHM 5% 1/8W
		R1003	0RH6801D622	MCR10EZHJ682 6.8KOHM 5% 1/8
		R1004	0RH2700D622	MCR10EZHJ271 270OHM 5% 1/8W
		R1006	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R1007	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R1008	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R1009	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R101	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W
		R1010	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R1011	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R1013	0RH4702D622	MCR10EZHJ473 47KOHM 5% 1/8W
		R1018	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R1019	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R1020	0RH6801D622	MCR10EZHJ682 6.8KOHM 5% 1/8
		R1021	0RH2700D622	MCR10EZHJ271 270OHM 5% 1/8W
		R1022	0RH3300D622	MCR10EZHJ331 330OHM 5% 1/8W
		R1023	0RH1500D622	MCR10EZHJ151 150OHM 5% 1/8W
		R1024	0RH1002D622	MCR10EZHJ103 10KOHM 5% 1/8W
		R1026	0RH1202D622	MCR10EZHJ123 12KOHM 5% 1/8W
		R1027	0RH3901D622	MCR10EZHJ392 3.9KOHM 5% 1/8
		R1029	0RH1000D622	MCR10EZHJ101 100OHM 5% 1/8W
		R1030	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R1032	0RH1000D622	MCR10EZHJ101 100OHM 5% 1/8W
		R1033	0RH0432D622	MCR10EZHJ430 43OHM 5% 1/8W
		R1034	0RH0432D622	MCR10EZHJ430 43OHM 5% 1/8W

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		R1041	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W
		R1042	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W
		R1043	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W
		R1044	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W
		R1045	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W
		R1046	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W
		R1047	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W
		R1050	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W
		R1051	0RH2200D622	MCR10EZHJ221 220OHM 5% 1/8W
		R1052	0RH2200D622	MCR10EZHJ221 220OHM 5% 1/8W
		R1053	0RH2200D622	MCR10EZHJ221 220OHM 5% 1/8W
		R1057	0RH2200D622	MCR10EZHJ221 220OHM 5% 1/8W
		R1058	0RH2200D622	MCR10EZHJ221 220OHM 5% 1/8W
		R1059	0RH2200D622	MCR10EZHJ221 220OHM 5% 1/8W
		R1060	0RH2200D622	MCR10EZHJ221 220OHM 5% 1/8W
		R1063	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W
		R1064	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W
		R1065	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W
		R1066	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W
		R1067	0RH2201D622	MCR10EZHJ222 2.2KOHM 5% 1/8
		R1068	0RH2201D622	MCR10EZHJ222 2.2KOHM 5% 1/8
		R1070	0RH0272D622	MCR10EZHJ270 270OHM 5% 1/8W
		R1071	0RH0272D622	MCR10EZHJ270 270OHM 5% 1/8W
		R1072	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R1073	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R1074	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R1075	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R1076	0RH4703D622	MCR10EZHJ474 470KOHM 5% 1/8
		R1077	0RH4703D622	MCR10EZHJ474 470KOHM 5% 1/8
		R1078	0RH2001D622	MCR10EZHJ202 2KOHM 5% 1/8W
		R1079	0RH2001D622	MCR10EZHJ202 2KOHM 5% 1/8W
		R108	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R1082	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R109	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R1113	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R1114	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R1140	0RH0332D622	MCR10EZHJ330 330OHM 5% 1/8W
		R1141	0RH0332D622	MCR10EZHJ330 330OHM 5% 1/8W
		R1144	0RH0332D622	MCR10EZHJ330 330OHM 5% 1/8W
		R1145	0RH0332D622	MCR10EZHJ330 330OHM 5% 1/8W
		R1146	0RH0332D622	MCR10EZHJ330 330OHM 5% 1/8W
		R1148	0RH0332D622	MCR10EZHJ330 330OHM 5% 1/8W
		R1155	0RH0332D622	MCR10EZHJ330 330OHM 5% 1/8W
		R1157	0RH1002D622	MCR10EZHJ103 10KOHM 5% 1/8W
		R1158	0RH1002D622	MCR10EZHJ103 10KOHM 5% 1/8W
		R1159	0RH1002D622	MCR10EZHJ103 10KOHM 5% 1/8W
		R1160	0RH1002D622	MCR10EZHJ103 10KOHM 5% 1/8W
		R1168	0RH0332D622	MCR10EZHJ330 330OHM 5% 1/8W
		R1172	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R1173	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R1184	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W
		R1185	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W
		R1200	0RH0152D622	MCR10EZHJ150 150OHM 5% 1/8W
		R1203	0RH1003D622	MCR10EZHJ104 100KOHM 5% 1/8
		R1205	0RH5600D622	MCR10EZHJ561 560OHM 5% 1/8W
		R1206	0RH0222D622	MCR10EZHJ220 220OHM 5% 1/8W
		R1207	0RH0222D622	MCR10EZHJ220 220OHM 5% 1/8W
		R1208	0RH0222D622	MCR10EZHJ220 220OHM 5% 1/8W
		R1209	0RH2201D622	MCR10EZHJ222 2.2KOHM 5% 1/8
		R1211	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R1212	0RH3303D622	MCR10EZHJ334 330KOHM 5% 1/8
		R1213	0RH2200D622	MCR10EZHJ221 220OHM 5% 1/8W

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		R1214	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R1215	0RH4702D622	MCR10EZHJ473 47KOHM 5% 1/8W
		R1219	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W
		R1221	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W
		R1222	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R1224	0RH4702D622	MCR10EZHJ473 47KOHM 5% 1/8W
		R1225	0RH2202D622	MCR10EZHJ223 22KOHM 5% 1/8W
		R1226	0RH1002D622	MCR10EZHJ103 10KOHM 5% 1/8W
		R1227	0RH8200D622	MCR10EZHJ821 820OHM 5% 1/8W
		R1228	0RH0562D622	MCR10EZHJ560 560OHM 5% 1/8W
		R1229	0RH5600D622	MCR10EZHJ561 560OHM 5% 1/8W
		R1230	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R1231	0RH0222D622	MCR10EZHJ220 220OHM 5% 1/8W
		R1232	0RH0222D622	MCR10EZHJ220 220OHM 5% 1/8W
		R1233	0RH0222D622	MCR10EZHJ220 220OHM 5% 1/8W
		R1234	0RH0152D622	MCR10EZHJ150 150OHM 5% 1/8W
		R1235	0RH0222D622	MCR10EZHJ220 220OHM 5% 1/8W
		R1236	0RH4700D622	MCR10EZHJ471 470OHM 5% 1/8W
		R1237	0RH2200D622	MCR10EZHJ221 220OHM 5% 1/8W
		R1238	0RH4702D622	MCR10EZHJ473 47KOHM 5% 1/8W
		R1239	0RH0222D622	MCR10EZHJ220 220OHM 5% 1/8W
		R1240	0RH2201D622	MCR10EZHJ222 2.2KOHM 5% 1/8
		R1242	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R1243	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R1245	0RH2200D622	MCR10EZHJ221 220OHM 5% 1/8W
		R1247	0RH1502D622	MCR10EZHJ153 15KOHM 5% 1/8W
		R1248	0RH1002D622	MCR10EZHJ103 10KOHM 5% 1/8W
		R1249	0RH0332D622	MCR10EZHJ330 330OHM 5% 1/8W
		R1250	0RH0332D622	MCR10EZHJ330 330OHM 5% 1/8W
		R1252	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W
		R1253	0RH0222D622	MCR10EZHJ220 220OHM 5% 1/8W
		R1254	0RH0222D622	MCR10EZHJ220 220OHM 5% 1/8W
		R1255	0RH0222D622	MCR10EZHJ220 220OHM 5% 1/8W
		R1300	0RH0222D622	MCR10EZHJ220 220OHM 5% 1/8W
		R1301	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R1305	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R1312	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W
		R1313	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R1314	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R1315	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W
		R1316	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R1317	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R1318	0RH0562D622	MCR10EZHJ560 560OHM 5% 1/8W
		R1319	0RH0562D622	MCR10EZHJ560 560OHM 5% 1/8W
		R132	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R1320	0RH0562D622	MCR10EZHJ560 560OHM 5% 1/8W
		R1321	0RH5101D622	MCR10EZHJ512 5.1KOHM 5% 1/8
		R1322	0RH0562D622	MCR10EZHJ560 560OHM 5% 1/8W
		R1323	0RH0562D622	MCR10EZHJ560 560OHM 5% 1/8W
		R1324	0RH0562D622	MCR10EZHJ560 560OHM 5% 1/8W
		R1325	0RH0562D622	MCR10EZHJ560 560OHM 5% 1/8W
		R1326	0RH5101D622	MCR10EZHJ512 5.1KOHM 5% 1/8
		R1327	0RH0562D622	MCR10EZHJ560 560OHM 5% 1/8W
		R1328	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R1329	0RH0222D622	MCR10EZHJ220 220OHM 5% 1/8W
		R1330	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R1332	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R1404	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R1405	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R1406	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R1408	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R1410	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R1601	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R1706	0RH2402D622	MCR10EZHJ243 24KOHM 5% 1/8W
		R1707	0RH2402D622	MCR10EZHJ243 24KOHM 5% 1/8W
		R1708	0RH3300D622	MCR10EZHJ331 330OHM 5% 1/8W
		R1709	0RH3300D622	MCR10EZHJ331 330OHM 5% 1/8W
		R1712	0RH1000D622	MCR10EZHJ101 100OHM 5% 1/8W
		R1714	0RH2201D622	MCR10EZHJ222 2.2KOHM 5% 1/8
		R1715	0RH2201D622	MCR10EZHJ222 2.2KOHM 5% 1/8
		R1720	0RH1000D622	MCR10EZHJ101 100OHM 5% 1/8W
		R1801	0RH7500D622	MCR10EZHJ751 750OHM 5% 1/8W
		R1802	0RH7500D622	MCR10EZHJ751 750OHM 5% 1/8W
		R1803	0RH7500D622	MCR10EZHJ751 750OHM 5% 1/8W
		R1804	0RH7500D622	MCR10EZHJ751 750OHM 5% 1/8W
		R1805	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R1806	0RH1002D622	MCR10EZHJ103 10KOHM 5% 1/8W
		R1807	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R1812	0RH1000D622	MCR10EZHJ101 100OHM 5% 1/8W
		R1813	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R1815	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R1816	0RH1003D622	MCR10EZHJ104 100KOHM 5% 1/8
		R1819	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R210	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R212	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R213	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R214	0RH3300D622	MCR10EZHJ331 330OHM 5% 1/8W
		R215	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W
		R216	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R242	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R262	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R272	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R273	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R275	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R281	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R304	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R305	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R306	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R307	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R3118	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W
		R3119	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R3120	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R3121	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R3122	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R314	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R315	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R319	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R320	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R335	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R343	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R344	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R345	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R350	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R351	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R352	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R353	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R354	0RH1000D622	MCR10EZHJ101 100OHM 5% 1/8W
		R355	0RH1000D622	MCR10EZHJ101 100OHM 5% 1/8W
		R402	0RH0272D622	MCR10EZHJ270 27OHM 5% 1/8W
		R403	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R404	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R405	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W
		R406	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W
		R407	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R408	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R409	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R410	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R411	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R412	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R423	0RH0752D622	MCR10EZHJ750 75OHM 5% 1/8W
		R427	0RH0752D622	MCR10EZHJ750 75OHM 5% 1/8W
		R428	0RH0752D622	MCR10EZHJ750 75OHM 5% 1/8W
		R429	0RH0752D622	MCR10EZHJ750 75OHM 5% 1/8W
		R430	0RH0752D622	MCR10EZHJ750 75OHM 5% 1/8W
		R431	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R432	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R433	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R434	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R435	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R436	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R437	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R439	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R440	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R441	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R442	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R443	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R444	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R445	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R446	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R447	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R451	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R500	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R501	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R511	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R512	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R513	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R514	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R518	0RH6202D622	MCR10EZHJ623 62KOHM 5% 1/8W
		R521	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R525	0RH1000D622	MCR10EZHJ101 100OHM 5% 1/8W
		R528	0RH1000D622	MCR10EZHJ101 100OHM 5% 1/8W
		R535	0RH0682D622	MCR10EZHJ680 68OHM 5% 1/8W
		R536	0RH0682D622	MCR10EZHJ680 68OHM 5% 1/8W
		R537	0RH0682D622	MCR10EZHJ680 68OHM 5% 1/8W
		R544	0RH4703D622	MCR10EZHJ474 470KOHM 5% 1/8
		R545	0RH4703D622	MCR10EZHJ474 470KOHM 5% 1/8
		R546	0RH4703D622	MCR10EZHJ474 470KOHM 5% 1/8
		R548	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R600	0RH1002D622	MCR10EZHJ103 10KOHM 5% 1/8W
		R602	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R604	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R609	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R611	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R623	0RH0332D622	MCR10EZHJ330 33OHM 5% 1/8W
		R624	0RH0332D622	MCR10EZHJ330 33OHM 5% 1/8W
		R625	0RH0332D622	MCR10EZHJ330 33OHM 5% 1/8W
		R628	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R629	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R630	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R647	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R648	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R650	0RH1002D622	MCR10EZHJ103 10KOHM 5% 1/8W
		R654	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R655	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R656	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R665	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R667	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R683	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R684	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R685	0RH2001D622	MCR10EZHJ202 2KOHM 5% 1/8W
		R687	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R688	0RH3301D622	MCR10EZHJ332 3.3KOHM 5% 1/8
		R689	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R694	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R695	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R696	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R697	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W
		R710	0RH2201D622	MCR10EZHJ222 2.2KOHM 5% 1/8
		R711	0RH2201D622	MCR10EZHJ222 2.2KOHM 5% 1/8
		R715	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R716	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W
		R717	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R718	0RH2200D622	MCR10EZHJ221 220OHM 5% 1/8W
		R720	0RH3600D622	MCR10EZHJ361 360OHM 5% 1/8W
		R723	0RH1000D622	MCR10EZHJ101 100OHM 5% 1/8W
		R731	0RH0682D622	MCR10EZHJ680 68OHM 5% 1/8W
		R748	0RH1500D622	MCR10EZHJ151 150OHM 5% 1/8W
		R751	0RH1500D622	MCR10EZHJ151 150OHM 5% 1/8W
		R752	0RH0682D622	MCR10EZHJ680 68OHM 5% 1/8W
		R767	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R768	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R769	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R771	0RH2200D622	MCR10EZHJ221 220OHM 5% 1/8W
		R772	0RH3600D622	MCR10EZHJ361 360OHM 5% 1/8W
		R775	0RH1000D622	MCR10EZHJ101 100OHM 5% 1/8W
		R800	0RH0752D622	MCR10EZHJ750 75OHM 5% 1/8W
		R801	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R802	0RH1501D622	MCR10EZHJ152 1.5KOHM 5% 1/8
		R803	0RH1501D622	MCR10EZHJ152 1.5KOHM 5% 1/8
		R804	0RH7500D622	MCR10EZHJ751 750OHM 5% 1/8W
		R806	0RH7500D622	MCR10EZHJ751 750OHM 5% 1/8W
		R807	0RH2201D622	MCR10EZHJ222 2.2KOHM 5% 1/8
		R809	0RH2200D622	MCR10EZHJ221 220OHM 5% 1/8W
		R810	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W
		R811	0RH2201D622	MCR10EZHJ222 2.2KOHM 5% 1/8
		R812	0RH2700D622	MCR10EZHJ271 270OHM 5% 1/8W
		R815	0RH2200D622	MCR10EZHJ221 220OHM 5% 1/8W
		R816	0RH5601D622	MCR10EZHJ562 5.6KOHM 5% 1/8
		R817	0RH5601D622	MCR10EZHJ562 5.6KOHM 5% 1/8
		R818	0RH2200D622	MCR10EZHJ221 220OHM 5% 1/8W
		R819	0RH2200D622	MCR10EZHJ221 220OHM 5% 1/8W
		R820	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R821	0RH4702D622	MCR10EZHJ473 47KOHM 5% 1/8W
		R822	0RH2200D622	MCR10EZHJ221 220OHM 5% 1/8W
		R823	0RH5601D622	MCR10EZHJ562 5.6KOHM 5% 1/8
		R824	0RH2200D622	MCR10EZHJ221 220OHM 5% 1/8W
		R825	0RH5601D622	MCR10EZHJ562 5.6KOHM 5% 1/8
		R826	0RH2200D622	MCR10EZHJ221 220OHM 5% 1/8W
		R827	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W
		R828	0RH4702D622	MCR10EZHJ473 47KOHM 5% 1/8W
		R829	0RH0752D622	MCR10EZHJ750 75OHM 5% 1/8W
		R830	0RH2200D622	MCR10EZHJ221 220OHM 5% 1/8W
		R831	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W
		R832	0RH4703D622	MCR10EZHJ474 47KOHM 5% 1/8
		R833	0RH1000D622	MCR10EZHJ101 100OHM 5% 1/8W
		R834	0RH1000D622	MCR10EZHJ101 100OHM 5% 1/8W
		R835	0RH0682D622	MCR10EZHJ680 68OHM 5% 1/8W
		R836	0RH3300D622	MCR10EZHJ331 330OHM 5% 1/8W

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R837	0RH3300D622	MCR10EZHJ331 330OHM 5% 1/8W
		R838	0RH0752D622	MCR10EZHJ750 75OHM 5% 1/8W
		R839	0RH7500D622	MCR10EZHJ751 750OHM 5% 1/8W
		R840	0RH7500D622	MCR10EZHJ751 750OHM 5% 1/8W
		R841	0RH1000D622	MCR10EZHJ101 100OHM 5% 1/8W
		R842	0RH2201D622	MCR10EZHJ222 2.2KOHM 5% 1/8
		R844	0RH2201D622	MCR10EZHJ222 2.2KOHM 5% 1/8
		R854	0RH1000D622	MCR10EZHJ101 100OHM 5% 1/8W
		R855	0RH1000D622	MCR10EZHJ101 100OHM 5% 1/8W
		R856	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W
		R859	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W
		R863	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R864	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		R869	0RH4700D622	MCR10EZHJ471 470OHM 5% 1/8W
		R871	0RH0752D622	MCR10EZHJ750 75OHM 5% 1/8W
		R873	0RH0752D622	MCR10EZHJ750 75OHM 5% 1/8W
		R880	0RH1502D622	MCR10EZHJ153 15KOHM 5% 1/8W
		R881	0RH6801D622	MCR10EZHJ682 6.8KOHM 5% 1/8
		R883	0RH1502D622	MCR10EZHJ153 15KOHM 5% 1/8W
		R884	0RH6801D622	MCR10EZHJ682 6.8KOHM 5% 1/8
		R886	0RH1502D622	MCR10EZHJ153 15KOHM 5% 1/8W
		R887	0RH6801D622	MCR10EZHJ682 6.8KOHM 5% 1/8
		R898	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R905	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R911	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R912	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R913	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R914	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R915	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R916	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R917	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R918	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R919	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R920	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R921	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R922	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R923	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R924	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R925	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R929	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W
		R930	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R931	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R932	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W
		R933	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R934	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R937	0RH1002D622	MCR10EZHJ103 10KOHM 5% 1/8W
		R938	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W
		R939	0RH0222D622	MCR10EZHJ220 22OHM 5% 1/8W
		R952	0RH4701D622	MCR10EZHJ472 4.7KOHM 5% 1/8
		L807	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		L809	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		L811	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		L813	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		L815	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R1012	0RJ4701D677	MCR03EZIPJ472 4.7KOHM 5% 1/1
		R1015	0RJ0512D677	MCR03EZIPJ510 51OHM 5% 1/10W
		R1016	0RJ0512D677	MCR03EZIPJ510 51OHM 5% 1/10W
		R1017	0RJ0512D677	MCR03EZIPJ510 51OHM 5% 1/10W
		R102	0RJ4701D677	MCR03EZIPJ472 4.7KOHM 5% 1/1
		R1028	0RJ4700D677	MCR03EZIPJ471 470OHM 5% 1/10
		R103	0RJ4701D677	MCR03EZIPJ472 4.7KOHM 5% 1/1
		R1035	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R1036	0RJ0222D677	MCR03EZPJ220 220OHM 5% 1/10W
		R1037	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10
		R1038	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10
		R1039	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10
		R104	0RJ0222D677	MCR03EZPJ220 220OHM 5% 1/10W
		R1049	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R105	0RJ0222D677	MCR03EZPJ220 220OHM 5% 1/10W
		R1054	0RJ1201D677	MCR03EZPJ122 1.2KOHM 5% 1/1
		R1055	0RJ0222D677	MCR03EZPJ220 220OHM 5% 1/10W
		R1056	0RJ0222D677	MCR03EZPJ220 220OHM 5% 1/10W
		R106	0RJ0222D677	MCR03EZPJ220 220OHM 5% 1/10W
		R1061	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10
		R1062	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R1069	0RJ0272D677	MCR03EZPJ270 270OHM 5% 1/10W
		R107	0RJ0222D677	MCR03EZPJ220 220OHM 5% 1/10W
		R1080	0RJ1501D677	MCR03EZPJ152 1.5KOHM 5% 1/1
		R1081	0RJ1501D677	MCR03EZPJ152 1.5KOHM 5% 1/1
		R1083	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W
		R110	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R1105	0RJ5101D677	MCR03EZPJ512 5.1KOHM 5% 1/1
		R1109	0RJ3002D677	MCR03EZPJ303 30KOHM 5% 1/10
		R111	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R1110	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W
		R1111	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/1
		R1112	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R1115	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W
		R1116	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W
		R1117	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W
		R1118	0RJ1004D677	MCR03EZPJ105 1MOHM 5% 1/10W
		R1119	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W
		R112	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R1120	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W
		R1121	0RJ0222D677	MCR03EZPJ220 220OHM 5% 1/10W
		R1129	0RJ0332D677	MCR03EZPJ330 330OHM 5% 1/10W
		R113	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R1130	0RJ0332D677	MCR03EZPJ330 330OHM 5% 1/10W
		R1131	0RJ0332D677	MCR03EZPJ330 330OHM 5% 1/10W
		R1132	0RJ0332D677	MCR03EZPJ330 330OHM 5% 1/10W
		R1133	0RJ0332D677	MCR03EZPJ330 330OHM 5% 1/10W
		R1135	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W
		R1136	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W
		R1137	0RJ0332D677	MCR03EZPJ330 330OHM 5% 1/10W
		R1138	0RJ0332D677	MCR03EZPJ330 330OHM 5% 1/10W
		R1139	0RJ0332D677	MCR03EZPJ330 330OHM 5% 1/10W
		R114	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R1142	0RJ0332D677	MCR03EZPJ330 330OHM 5% 1/10W
		R1143	0RJ0332D677	MCR03EZPJ330 330OHM 5% 1/10W
		R1147	0RJ0332D677	MCR03EZPJ330 330OHM 5% 1/10W
		R1149	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R115	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R1150	0RJ3300D677	MCR03EZPJ331 330OHM 5% 1/10
		R1151	0RJ0332D677	MCR03EZPJ330 330OHM 5% 1/10W
		R1152	0RJ0332D677	MCR03EZPJ330 330OHM 5% 1/10W
		R1153	0RJ0332D677	MCR03EZPJ330 330OHM 5% 1/10W
		R1154	0RJ0332D677	MCR03EZPJ330 330OHM 5% 1/10W
		R1156	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10
		R1161	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/1
		R1162	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/1
		R1163	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/1
		R1164	0RJ1003D677	MCR03EZPJ104 100KOHM 5% 1/1
		R1166	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W
		R1167	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R117	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R1175	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W
		R1176	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W
		R1177	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W
		R1178	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R1179	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R118	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R1181	0RJ0222D677	MCR03EZPJ220 220OHM 5% 1/10W
		R1186	0RJ3001D677	MCR03EZPJ302 3KOHM 5% 1/10W
		R1187	0RJ3001D677	MCR03EZPJ302 3KOHM 5% 1/10W
		R119	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R1190	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R1191	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R1192	0RJ0222D677	MCR03EZPJ220 220OHM 5% 1/10W
		R1193	0RJ0222D677	MCR03EZPJ220 220OHM 5% 1/10W
		R1194	0RJ3300D677	MCR03EZPJ331 330OHM 5% 1/10
		R1195	0RJ3300D677	MCR03EZPJ331 330OHM 5% 1/10
		R1196	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R1197	0RJ3300D677	MCR03EZPJ331 330OHM 5% 1/10
		R1198	0RJ3300D677	MCR03EZPJ331 330OHM 5% 1/10
		R1199	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/1
		R120	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R1202	0RJ8252D477	MCR03EZPF8252 82.5KOHM 1% 1
		R121	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R1217	0RJ0222D677	MCR03EZPJ220 220OHM 5% 1/10W
		R1218	0RJ0222D677	MCR03EZPJ220 220OHM 5% 1/10W
		R122	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R1220	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R1223	0RJ4700D677	MCR03EZPJ471 4700OHM 5% 1/10
		R123	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R124	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R1241	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R1244	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/1
		R125	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R1251	0RJ1500D677	MCR03EZPJ151 1500OHM 5% 1/10
		R1256	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W
		R1257	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W
		R1258	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W
		R126	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R127	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R128	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R130	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/1
		R1302	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W
		R1303	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W
		R1304	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W
		R1306	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10
		R1307	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W
		R1308	0RJ0222D677	MCR03EZPJ220 220OHM 5% 1/10W
		R1309	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10
		R131	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/1
		R1310	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10
		R1311	0RJ6341D477	MCR03EZPF6341 6.34KOHM 1% 1
		R133	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/1
		R1331	0RJ0222D677	MCR03EZPJ220 220OHM 5% 1/10W
		R134	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/1
		R135	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/1
		R136	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/1
		R137	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/1
		R138	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/1
		R139	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/1
		R140	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/1
		R1401	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R1402	0RJ2201D677	MCR03EZIPJ222 2.2KOHM 5% 1/1
		R1403	0RJ2201D677	MCR03EZIPJ222 2.2KOHM 5% 1/1
		R1407	0RJ0000D677	MCR03EZIPJ000 0OHM 5% 1/10W
		R141	0RJ4701D677	MCR03EZIPJ472 4.7KOHM 5% 1/1
		R142	0RJ4701D677	MCR03EZIPJ472 4.7KOHM 5% 1/1
		R144	0RJ1001D677	MCR03EZIPJ102 1KOHM 5% 1/10W
		R148	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R149	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R150	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R151	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R152	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R153	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R154	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R156	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R157	0RJ4701D677	MCR03EZIPJ472 4.7KOHM 5% 1/1
		R1700	0RJ1500D677	MCR03EZIPJ151 150OHM 5% 1/10
		R1703	0RJ1500D677	MCR03EZIPJ151 150OHM 5% 1/10
		R1704	0RJ0682D677	MCR03EZIPJ680 68OHM 5% 1/10W
		R1713	0RJ1000D677	MCR03EZIPJ101 100OHM 5% 1/10
		R1721	0RJ1000D677	MCR03EZIPJ101 100OHM 5% 1/10
		R1817	0RJ1003D677	MCR03EZIPJ104 100KOHM 5% 1/1
		R1818	0RJ1000D677	MCR03EZIPJ101 100OHM 5% 1/10
		R1820	0RJ1002D677	MCR03EZIPJ103 10KOHM 5% 1/10
		R1821	0RJ1001D677	MCR03EZIPJ102 1KOHM 5% 1/10W
		R1822	0RJ3301D677	MCR03EZIPJ332 3.3KOHM 5% 1/1
		R200	0RJ2201D677	MCR03EZIPJ222 2.2KOHM 5% 1/1
		R201	0RJ2201D677	MCR03EZIPJ222 2.2KOHM 5% 1/1
		R202	0RJ2201D677	MCR03EZIPJ222 2.2KOHM 5% 1/1
		R203	0RJ2201D677	MCR03EZIPJ222 2.2KOHM 5% 1/1
		R204	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R205	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R206	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R207	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R208	0RJ0000D677	MCR03EZIPJ000 0OHM 5% 1/10W
		R209	0RJ0000D677	MCR03EZIPJ000 0OHM 5% 1/10W
		R211	0RJ4701D677	MCR03EZIPJ472 4.7KOHM 5% 1/1
		R217	0RJ0000D677	MCR03EZIPJ000 0OHM 5% 1/10W
		R218	0RJ1602D677	MCR03EZIPJ163 16KOHM 5% 1/10
		R219	0RJ1001D677	MCR03EZIPJ102 1KOHM 5% 1/10W
		R230	0RJ1002D677	MCR03EZIPJ103 10KOHM 5% 1/10
		R231	0RJ1001D677	MCR03EZIPJ102 1KOHM 5% 1/10W
		R232	0RJ0000D677	MCR03EZIPJ000 0OHM 5% 1/10W
		R234	0RJ0000D677	MCR03EZIPJ000 0OHM 5% 1/10W
		R235	0RJ0000D677	MCR03EZIPJ000 0OHM 5% 1/10W
		R236	0RJ0000D677	MCR03EZIPJ000 0OHM 5% 1/10W
		R237	0RJ0000D677	MCR03EZIPJ000 0OHM 5% 1/10W
		R238	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R239	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R240	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R243	0RJ4701D677	MCR03EZIPJ472 4.7KOHM 5% 1/1
		R244	0RJ1001D677	MCR03EZIPJ102 1KOHM 5% 1/10W
		R245	0RJ1001D677	MCR03EZIPJ102 1KOHM 5% 1/10W
		R246	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R247	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R248	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R249	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R250	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R251	0RJ0000D677	MCR03EZIPJ000 0OHM 5% 1/10W
		R252	0RJ0000D677	MCR03EZIPJ000 0OHM 5% 1/10W
		R253	0RJ1001D677	MCR03EZIPJ102 1KOHM 5% 1/10W
		R254	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R255	0RJ0752D677	MCR03EZIPJ750 75OHM 5% 1/10W

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R256	0RJ0752D677	MCR03EZIPJ750 75OHM 5% 1/10W
		R257	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R258	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R259	0RJ0000D677	MCR03EZIPJ000 0OHM 5% 1/10W
		R263	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R264	0RJ1001D677	MCR03EZIPJ102 1KOHM 5% 1/10W
		R265	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R266	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R267	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R269	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R270	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R271	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R274	0RJ4701D677	MCR03EZIPJ472 4.7KOHM 5% 1/1
		R276	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R277	0RJ4701D677	MCR03EZIPJ472 4.7KOHM 5% 1/1
		R283	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R300	0RJ4701D677	MCR03EZIPJ472 4.7KOHM 5% 1/1
		R301	0RJ4701D677	MCR03EZIPJ472 4.7KOHM 5% 1/1
		R302	0RJ4701D677	MCR03EZIPJ472 4.7KOHM 5% 1/1
		R303	0RJ6801D677	MCR03EZIPJ682 6.8KOHM 5% 1/1
		R308	0RJ4701D677	MCR03EZIPJ472 4.7KOHM 5% 1/1
		R309	0RJ4701D677	MCR03EZIPJ472 4.7KOHM 5% 1/1
		R3101	0RJ1001D677	MCR03EZIPJ102 1KOHM 5% 1/10W
		R3102	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R3103	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R3108	0RJ0000D677	MCR03EZIPJ000 0OHM 5% 1/10W
		R3109	0RJ0000D677	MCR03EZIPJ000 0OHM 5% 1/10W
		R3112	0RJ0000D677	MCR03EZIPJ000 0OHM 5% 1/10W
		R3113	0RJ0000D677	MCR03EZIPJ000 0OHM 5% 1/10W
		R3114	0RJ0000D677	MCR03EZIPJ000 0OHM 5% 1/10W
		R3115	0RJ0000D677	MCR03EZIPJ000 0OHM 5% 1/10W
		R3116	0RJ0000D677	MCR03EZIPJ000 0OHM 5% 1/10W
		R3117	0RJ4701D677	MCR03EZIPJ472 4.7KOHM 5% 1/1
		R3123	0RJ4701D677	MCR03EZIPJ472 4.7KOHM 5% 1/1
		R3124	0RJ1001D677	MCR03EZIPJ102 1KOHM 5% 1/10W
		R3125	0RJ1001D677	MCR03EZIPJ102 1KOHM 5% 1/10W
		R3126	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R3127	0RJ0000D677	MCR03EZIPJ000 0OHM 5% 1/10W
		R3128	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R3129	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R316	0RJ4701D677	MCR03EZIPJ472 4.7KOHM 5% 1/1
		R317	0RJ1000D677	MCR03EZIPJ101 100OHM 5% 1/10
		R318	0RJ1000D677	MCR03EZIPJ101 100OHM 5% 1/10
		R321	0RJ0000D677	MCR03EZIPJ000 0OHM 5% 1/10W
		R323	0RJ1000D677	MCR03EZIPJ101 100OHM 5% 1/10
		R324	0RJ1000D677	MCR03EZIPJ101 100OHM 5% 1/10
		R325	0RJ1000D677	MCR03EZIPJ101 100OHM 5% 1/10
		R327	0RJ1005D677	MCR03EZIPJ106 10MOHM 5% 1/10
		R328	0RJ1001D477	MCR03EZIPF102 1KOHM 1% 1/10W
		R329	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R334	0RJ0000D677	MCR03EZIPJ000 0OHM 5% 1/10W
		R336	0RJ0000D677	MCR03EZIPJ000 0OHM 5% 1/10W
		R337	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R338	0RJ0000D677	MCR03EZIPJ000 0OHM 5% 1/10W
		R339	0RJ0000D677	MCR03EZIPJ000 0OHM 5% 1/10W
		R340	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R341	0RJ4701D677	MCR03EZIPJ472 4.7KOHM 5% 1/1
		R342	0RJ0000D677	MCR03EZIPJ000 0OHM 5% 1/10W
		R346	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R347	0RJ0222D677	MCR03EZIPJ220 22OHM 5% 1/10W
		R348	0RJ1002D677	MCR03EZIPJ103 10KOHM 5% 1/10
		R349	0RJ0000D677	MCR03EZIPJ000 0OHM 5% 1/10W

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R356	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10
		R413	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W
		R414	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W
		R415	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W
		R416	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W
		R417	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W
		R420	0RJ1800D677	MCR03EZPJ181 180OHM 5% 1/10
		R421	0RJ1800D677	MCR03EZPJ181 180OHM 5% 1/10
		R424	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W
		R425	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W
		R426	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W
		R448	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W
		R449	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W
		R452	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W
		R522	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W
		R527	0RJ0272D677	MCR03EZPJ270 27OHM 5% 1/10W
		R529	0RJ0272D677	MCR03EZPJ270 27OHM 5% 1/10W
		R530	0RJ0272D677	MCR03EZPJ270 27OHM 5% 1/10W
		R531	0RJ0272D677	MCR03EZPJ270 27OHM 5% 1/10W
		R532	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W
		R533	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W
		R547	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W
		R606	0RJ1004D677	MCR03EZPJ105 1MOHM 5% 1/10W
		R614	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W
		R615	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W
		R616	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W
		R619	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W
		R620	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W
		R621	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W
		R622	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W
		R626	0RJ1800D677	MCR03EZPJ181 180OHM 5% 1/10
		R635	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/1
		R636	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/1
		R637	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10
		R639	0RJ0331D677	MCR03EZPJ3R3 3.3OHM 5% 1/10
		R640	0RJ0331D677	MCR03EZPJ3R3 3.3OHM 5% 1/10
		R641	0RJ0331D677	MCR03EZPJ3R3 3.3OHM 5% 1/10
		R642	0RJ0331D677	MCR03EZPJ3R3 3.3OHM 5% 1/10
		R643	0RJ0331D677	MCR03EZPJ3R3 3.3OHM 5% 1/10
		R644	0RJ0331D677	MCR03EZPJ3R3 3.3OHM 5% 1/10
		R645	0RJ0331D677	MCR03EZPJ3R3 3.3OHM 5% 1/10
		R646	0RJ0331D677	MCR03EZPJ3R3 3.3OHM 5% 1/10
		R663	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W
		R664	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W
		R669	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R670	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R671	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R672	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R673	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R674	0RJ2701D677	MCR03EZPJ272 2.7KOHM 5% 1/1
		R675	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W
		R679	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W
		R680	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W
		R681	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W
		R690	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W
		R700	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W
		R701	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W
		R702	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R703	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R704	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R705	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R706	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10

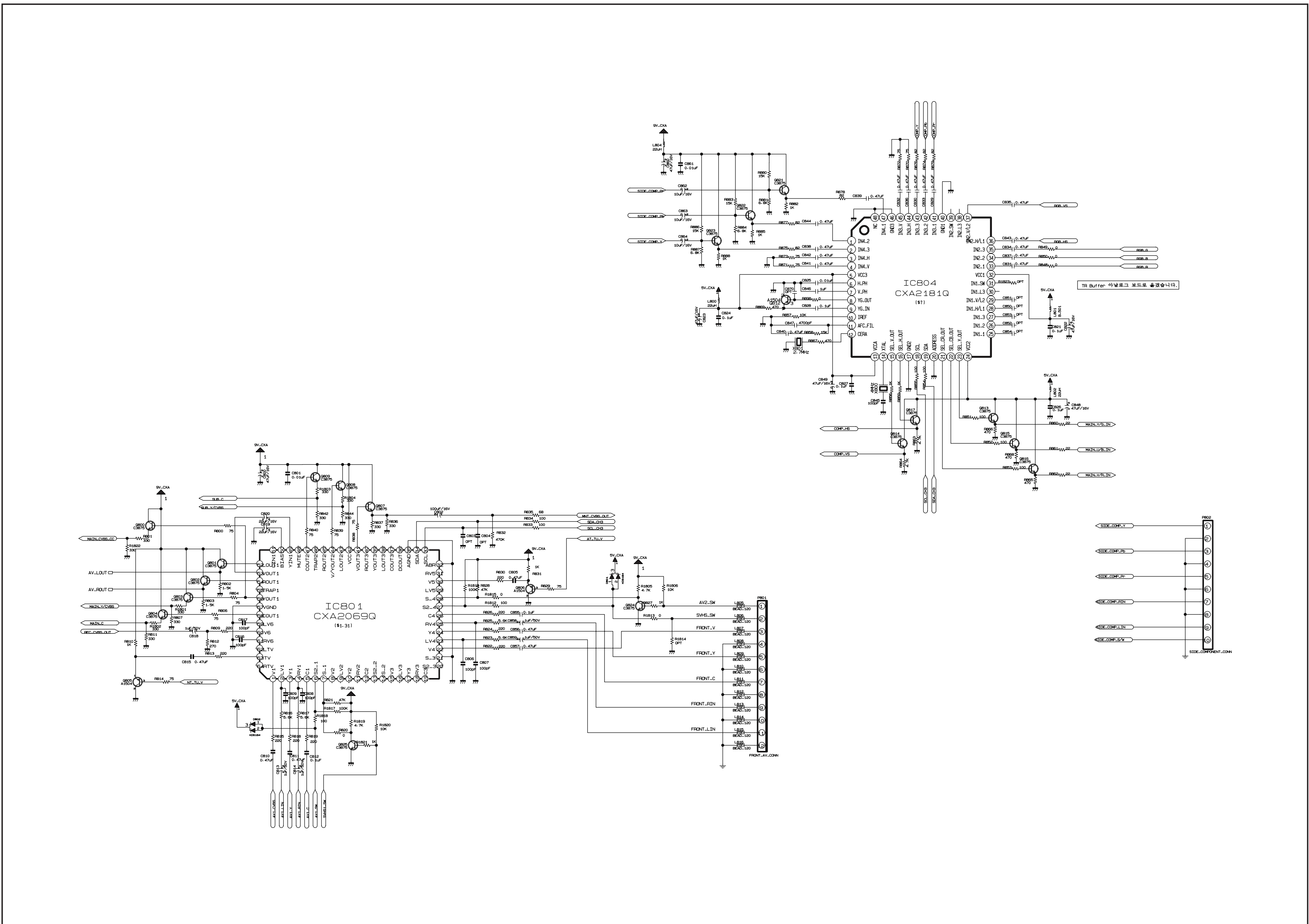
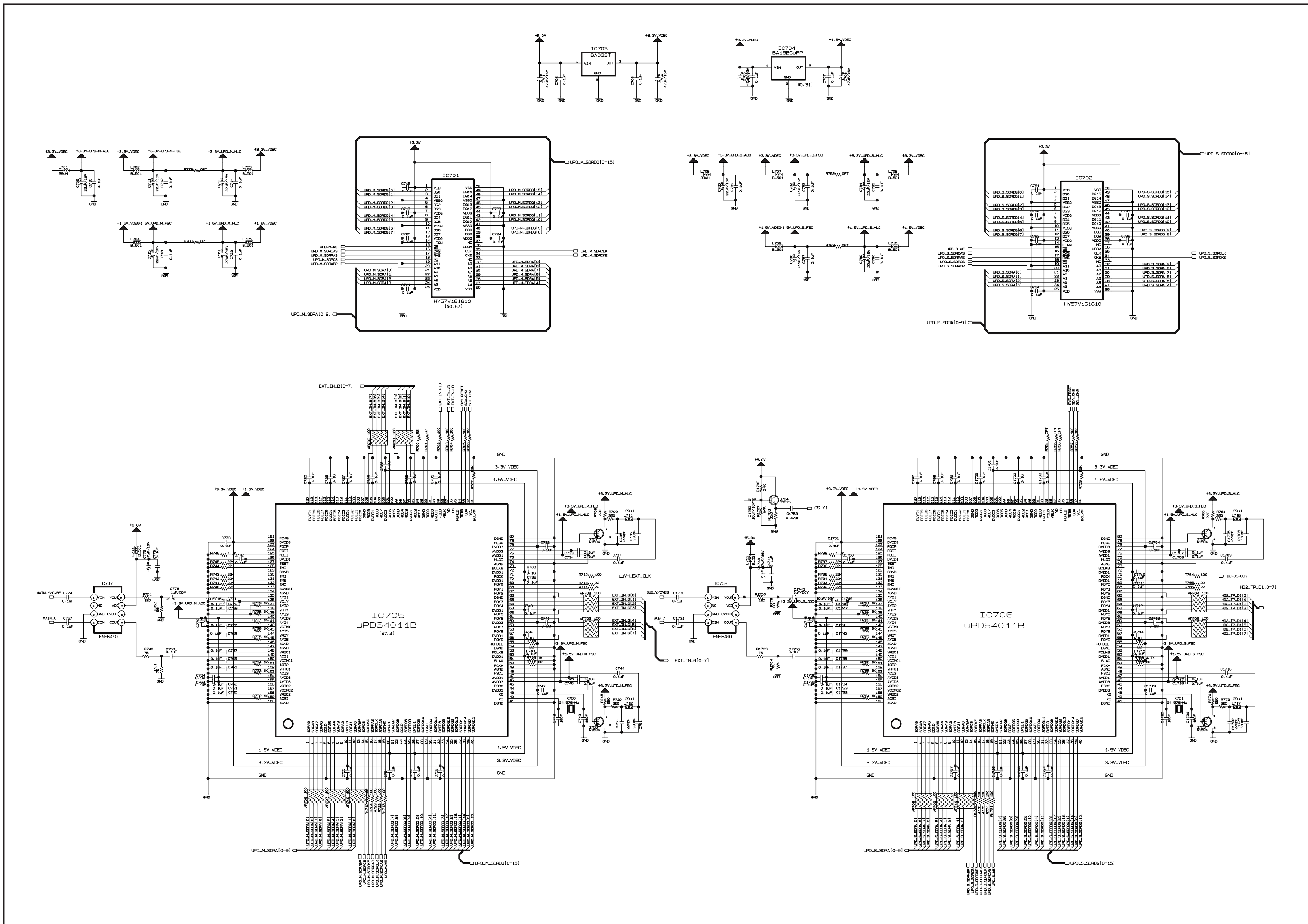
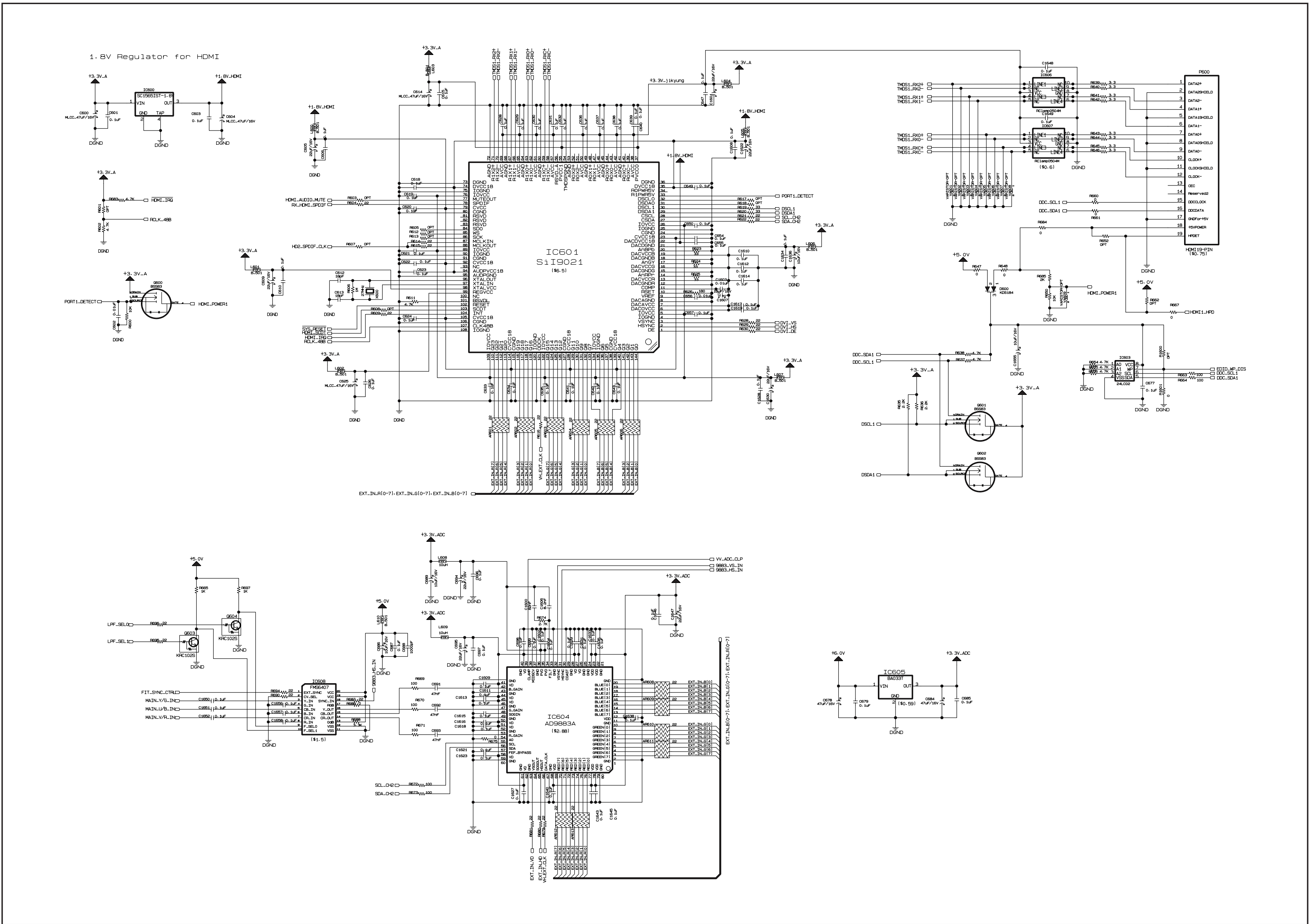
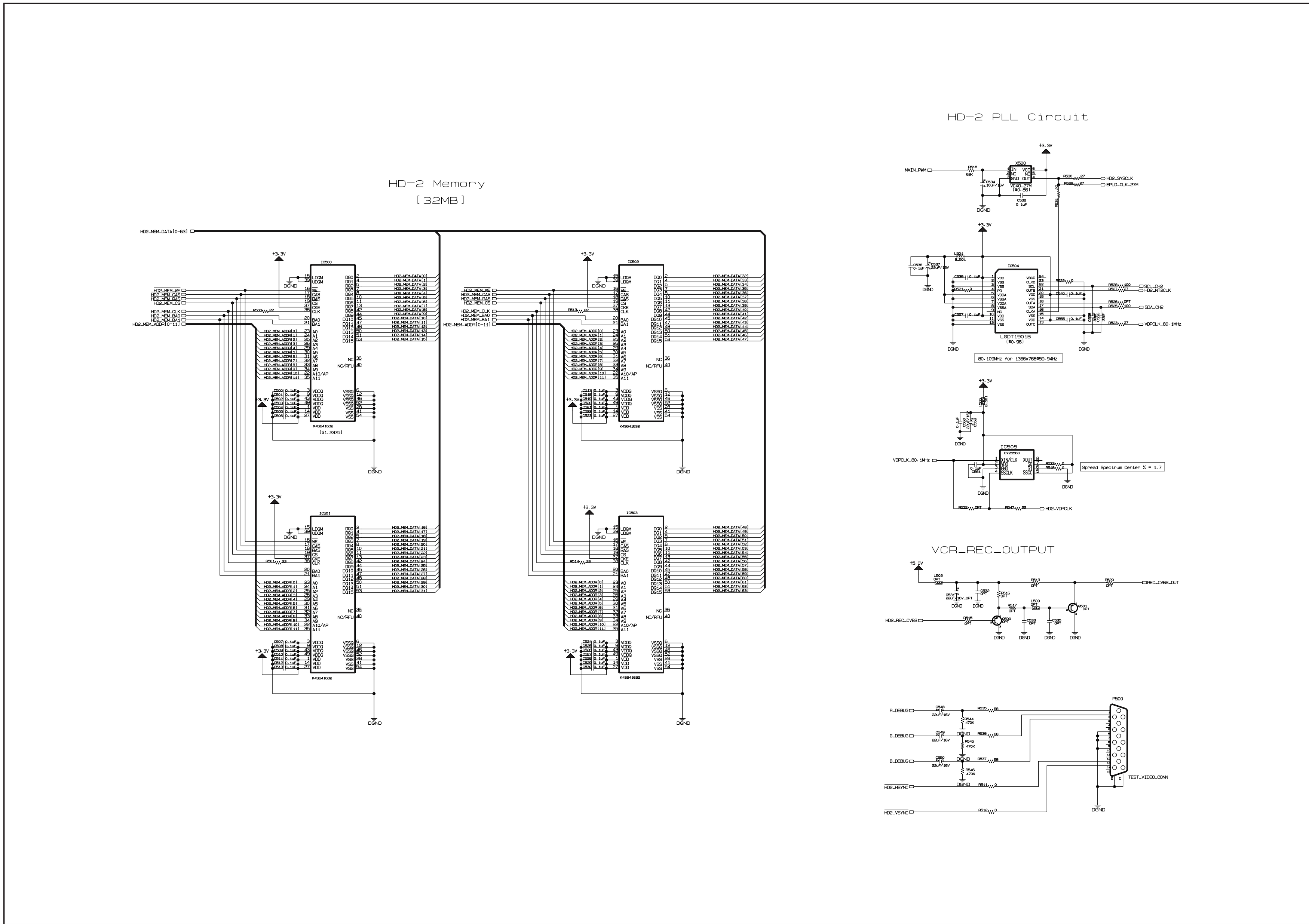
DATE: 2006. 03. 20.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R707	0RJ2202D677	MCR03EZPJ223 22KOHM 5% 1/10
		R708	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10
		R709	0RJ3600D477	MCR03EZPF361 360OHM 1% 1/10
		R712	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R713	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W
		R714	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W
		R722	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R724	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R732	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R733	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R734	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R735	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R736	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R737	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R738	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R739	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R740	0RJ2202D677	MCR03EZPJ223 22KOHM 5% 1/10
		R741	0RJ2202D677	MCR03EZPJ223 22KOHM 5% 1/10
		R742	0RJ2202D677	MCR03EZPJ223 22KOHM 5% 1/10
		R743	0RJ2202D677	MCR03EZPJ223 22KOHM 5% 1/10
		R744	0RJ2202D677	MCR03EZPJ223 22KOHM 5% 1/10
		R745	0RJ2202D677	MCR03EZPJ223 22KOHM 5% 1/10
		R746	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/1
		R757	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R758	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R759	0RJ2202D677	MCR03EZPJ223 22KOHM 5% 1/10
		R760	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10
		R761	0RJ3600D477	MCR03EZPF361 360OHM 1% 1/10
		R764	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R765	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W
		R766	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W
		R774	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R776	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R778	0RJ0682D677	MCR03EZPJ680 68OHM 5% 1/10W
		R784	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R785	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R786	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R787	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R788	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R789	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R790	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R791	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W
		R792	0RJ2202D677	MCR03EZPJ223 22KOHM 5% 1/10
		R793	0RJ2202D677	MCR03EZPJ223 22KOHM 5% 1/10
		R794	0RJ2202D677	MCR03EZPJ223 22KOHM 5% 1/10
		R795	0RJ2202D677	MCR03EZPJ223 22KOHM 5% 1/10
		R796	0RJ2202D677	MCR03EZPJ223 22KOHM 5% 1/10
		R797	0RJ2202D677	MCR03EZPJ223 22KOHM 5% 1/10
		R798	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/1
		R813	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10
		R814	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W
		R848	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W
		R849	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W
		R850	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W
		R851	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R852	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R853	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10
		R857	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10
		R858	0RJ1502D677	MCR03EZPJ153 15KOHM 5% 1/10
		R860	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W
		R861	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W
		R862	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W

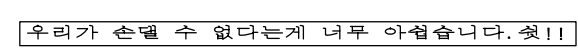
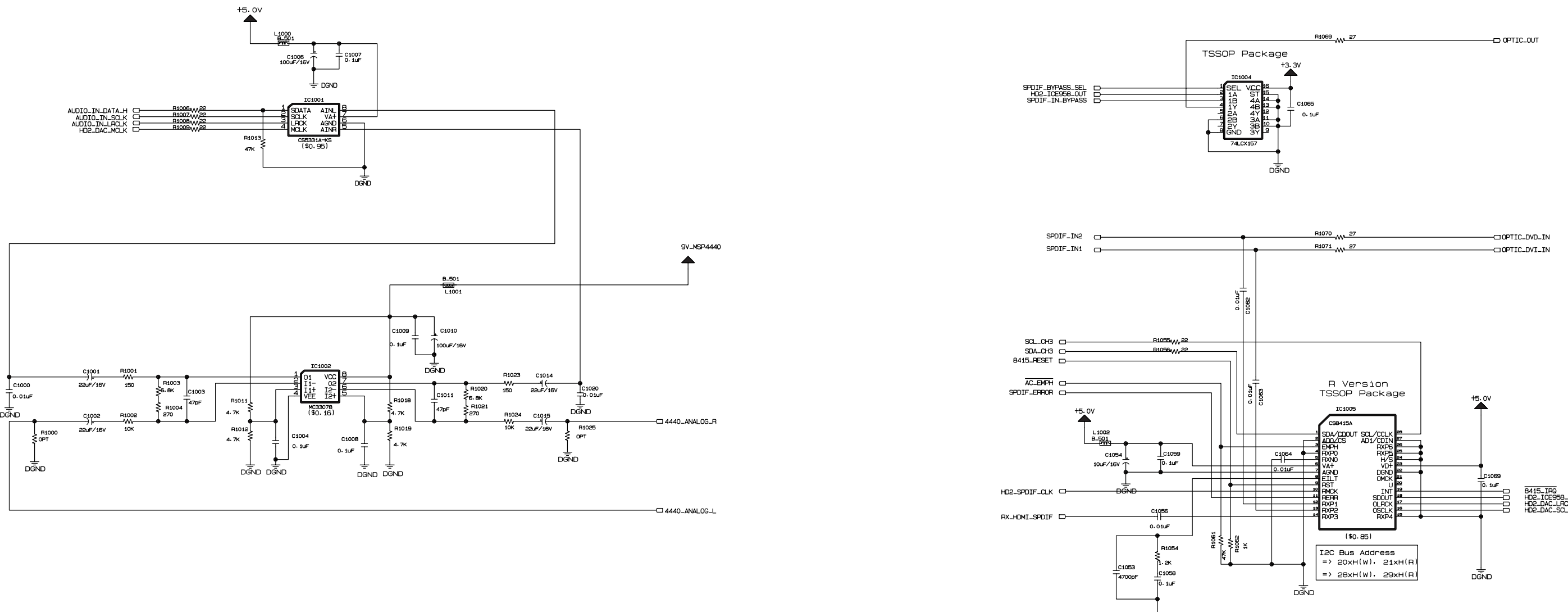
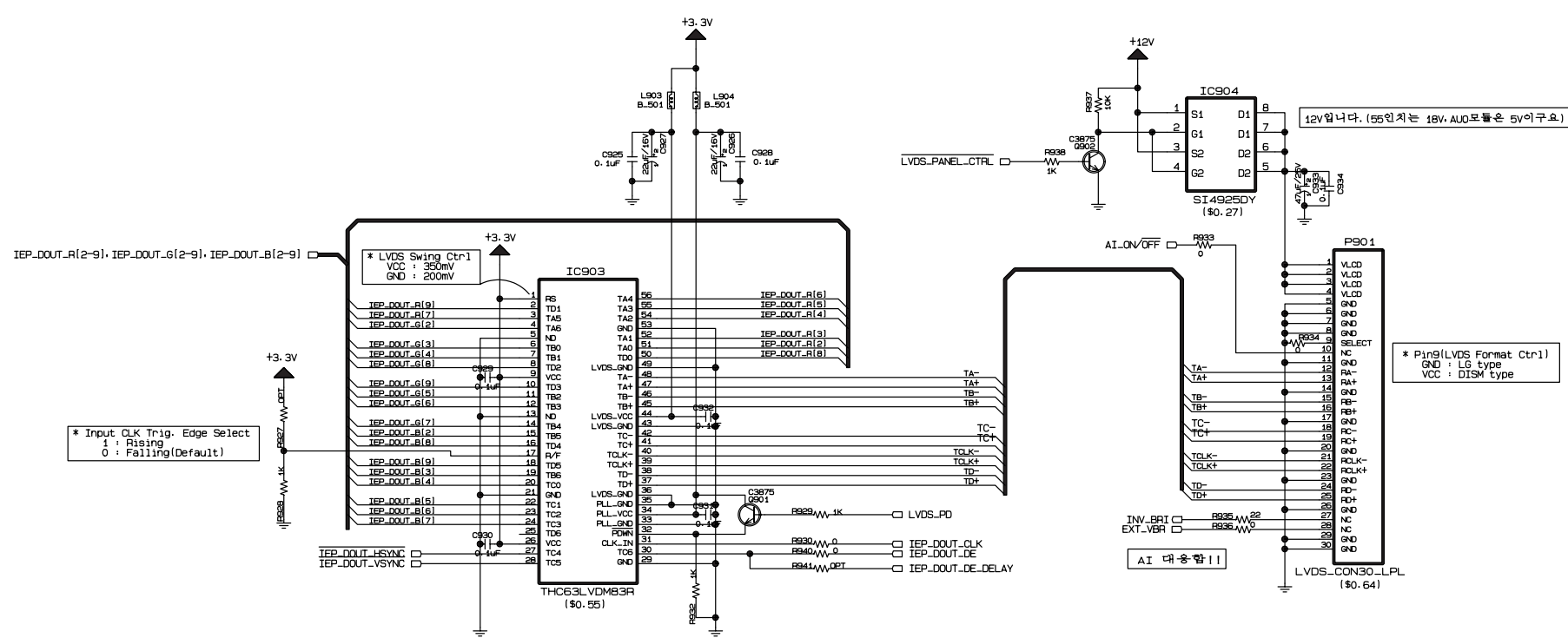
DATE: 2006. 03. 20.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R865	0RJ4700D677	MCR03EJPJ471 470OHM 5% 1/10
		R866	0RJ4700D677	MCR03EJPJ471 470OHM 5% 1/10
		R867	0RJ4700D677	MCR03EJPJ471 470OHM 5% 1/10
		R868	0RJ4700D677	MCR03EJPJ471 470OHM 5% 1/10
		R870	0RJ0752D677	MCR03EJPJ750 750OHM 5% 1/10W
		R872	0RJ0752D677	MCR03EJPJ750 750OHM 5% 1/10W
		R874	0RJ0822D677	MCR03EJPJ820 820OHM 5% 1/10W
		R875	0RJ0822D677	MCR03EJPJ820 820OHM 5% 1/10W
		R876	0RJ0822D677	MCR03EJPJ820 820OHM 5% 1/10W
		R877	0RJ0822D677	MCR03EJPJ820 820OHM 5% 1/10W
		R878	0RJ0822D677	MCR03EJPJ820 820OHM 5% 1/10W
		R879	0RJ0822D677	MCR03EJPJ820 820OHM 5% 1/10W
		R882	0RJ1001D677	MCR03EJPJ102 1KOHM 5% 1/10W
		R885	0RJ1001D677	MCR03EJPJ102 1KOHM 5% 1/10W
		R888	0RJ1001D677	MCR03EJPJ102 1KOHM 5% 1/10W
		R900	0RJ0000D677	MCR03EJPJ000 0OHM 5% 1/10W
		R901	0RJ0000D677	MCR03EJPJ000 0OHM 5% 1/10W
		R902	0RJ0000D677	MCR03EJPJ000 0OHM 5% 1/10W
		R903	0RJ0000D677	MCR03EJPJ000 0OHM 5% 1/10W
		R904	0RJ0222D677	MCR03EJPJ220 220OHM 5% 1/10W
		R906	0RJ1001D677	MCR03EJPJ102 1KOHM 5% 1/10W
		R907	0RJ1001D677	MCR03EJPJ102 1KOHM 5% 1/10W
		R908	0RJ4701D677	MCR03EJPJ472 4.7KOHM 5% 1/1
		R909	0RJ1000D677	MCR03EJPJ101 100OHM 5% 1/10
		R910	0RJ1000D677	MCR03EJPJ101 100OHM 5% 1/10
		R928	0RJ1001D677	MCR03EJPJ102 1KOHM 5% 1/10W
		R935	0RJ1000D677	MCR03EJPJ101 100OHM 5% 1/10
		R936	0RJ1000D677	MCR03EJPJ101 100OHM 5% 1/10
		R940	0RJ0000D677	MCR03EJPJ000 0OHM 5% 1/10W
OTHERs				
		DL1101	0DL233309AC	SAM2333 RED/Y-GREEN 2.7V 2.
		DL1102	0DL233309AC	SAM2333 RED/Y-GREEN 2.7V 2.
		DL1401	0DL233309AC	SAM2333 RED/Y-GREEN 2.7V 2.
		DL1402	0DL233309AC	SAM2333 RED/Y-GREEN 2.7V 2.
		DL1403	0DL233309AC	SAM2333 RED/Y-GREEN 2.7V 2.
		DL200	0DL233309AC	SAM2333 RED/Y-GREEN 2.7V 2.
		DL201	0DL233309AC	SAM2333 RED/Y-GREEN 2.7V 2.
		X801	6212AB3004D	CSALF2M69G4ZF01-A3 2.696MHZ
		P201	6600VR1004A	SKHMPWE010 1C1P 12VDC 0.05A
		X1000	6202VDT002H	SX-1 18.432MHZ 30PPM 18.432
		X1101	6212AB2015F	HC-49/SM 14MHZ 30PPM 14MHZ
		X1200	6212AB2015E	HC-49/SM 10MHZ 30PPM 10MHZ
		X1201	6212AB2015A	HC-49/SM4H 4MHZ 30PPM 4MHZ
		X1300	6212AB2806A	SX-1 24.576MHZ 50PPM 16pF S
		X300	6212AB2015C	HC-49/SM4H 25MHZ 50PPM 20pF
		X600	6202TST001H	SX-1 27MHZ 30PPM 27MHZ 30PP
		X700	6212AB2806A	SX-1 24.576MHZ 50PPM 16pF S
		X701	6212AB2806A	SX-1 24.576MHZ 50PPM 16pF S
		X800	6212AB2015A	HC-49/SM4H 4MHZ 30PPM 4MHZ
		IC1301	6204B47985M	SCO-103-13.5000MHZ 13.5MHZ
		X1102	6204B47985K	BMS-873R 25MHZ 50PPM 25MHZ
		X200	6204B47985L	SCO-103 33.33MHZ 30PPM 3.3V
		X500	6204B60001B	27MHZ 100PPM BXV-253R 27MHZ
CONTROL BOARD				
		SW1101	140-313B	KPT-1115AM 1C1P 12VDC 0.05A
		SW1102	140-313B	KPT-1115AM 1C1P 12VDC 0.05A
		SW1103	140-313B	KPT-1115AM 1C1P 12VDC 0.05A
		SW1104	140-313B	KPT-1115AM 1C1P 12VDC 0.05A

DATE: 2006. 03. 20.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		SW1105	140-313B	KPT-1115AM 1C1P 12VDC 0.05A
		SW1106	140-313B	KPT-1115AM 1C1P 12VDC 0.05A
		SW1107	140-313B	KPT-1115AM 1C1P 12VDC 0.05A
		SW1108	140-313B	KPT-1115AM 1C1P 12VDC 0.05A
		R1101	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R1102	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R1103	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R1104	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R1105	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R1106	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		ZD1201	0DZ510009EE	UDZS5.1B 5.1V 4.98TO5.2V 80
		ZD1202	0DZ510009EE	UDZS5.1B 5.1V 4.98TO5.2V 80
		ZD1203	0DZ510009EE	UDZS5.1B 5.1V 4.98TO5.2V 80
		ZD1204	0DZ510009EE	UDZS5.1B 5.1V 4.98TO5.2V 80
		ZD1205	0DZ510009EE	UDZS5.1B 5.1V 4.98TO5.2V 80
		ZD1206	0DZ510009EE	UDZS5.1B 5.1V 4.98TO5.2V 80
TUNER BOARD				
		C2004	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C2007	0CH3104K566	0805B104K500CT 100nF 10% 50
		C2009	0CH3104K566	0805B104K500CT 100nF 10% 50
		C2013	0CH2334F566	0805B334K160CT 330nF 10% 16
		C2014	0CH3104K566	0805B104K500CT 100nF 10% 50
		C2016	0CH3104K566	0805B104K500CT 100nF 10% 50
		C2017	0CH3104K566	0805B104K500CT 100nF 10% 50
		C2018	0CH3104K566	0805B104K500CT 100nF 10% 50
		C2019	0CH3104K566	0805B104K500CT 100nF 10% 50
		C2023	0CH3104K566	0805B104K500CT 100nF 10% 50
		C2024	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C2025	0CH3104K566	0805B104K500CT 100nF 10% 50
		C2027	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C2029	0CH3224K946	C2012Y5V1H224ZT 220nF -20TO
		C2041	0CH3104K566	0805B104K500CT 100nF 10% 50
		L2003	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L2004	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L2005	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L2006	0LC2000005K	FI-D2012-223KJT 22UH 10% -
		R2001	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R2002	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R2003	0RH0102D622	MCR10EZHJ100 10OHM 5% 1/8W
		R2011	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R2012	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R2014	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2
		R2016	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W
		R2017	0RH1001D622	MCR10EZHJ102 1KOHM 5% 1/8W
		R2018	0RH0682D622	MCR10EZHJ680 68OHM 5% 1/8W
		F2001	6200QL3002E	X9650M 44MHZ 17.3X3.9X8.7MM
		TU1501	6700AN0002A	TDVS-H701P NTSC-M 54.0HZTO8
		TU2002	6700NC0001B	TAEU-H018P NTSC 67.25HZTO1.
		C2003	0CE476VF6DC	VG476M016S0ANE010 47uF 20%
		C2005	0CE476VF6DC	VG476M016S0ANE010 47uF 20%
		C2008	0CE107SF6DC	VMV107M016S0ANE010 100uF 20
		C2010	0CE107SF6DC	VMV107M016S0ANE010 100uF 20
		C2011	0CK104CK56A	0603B104K500CT 10nF 10% 50
		C2012	0CE476VF6DC	VG476M016S0ANE010 47uF 20%
		C2015	0CE107SF6DC	VMV107M016S0ANE010 100uF 20
		C2022	0CE476VK6DC	VG476M050S0ANG030 47uF 20%
		C2026	0CE476VF6DC	VG476M016S0ANE010 47uF 20%
		C2028	0CE226VF6DC	VG476M016S0ANE010 22uF 20%
		C2030	0CK102CK56A	0603B102K500CT 1nF 10% 50V
		C2031	0CK102CK56A	0603B102K500CT 1nF 10% 50V

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		C2032	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C2033	0CK102CK56A	0603B102K500CT 1nF 10% 50V
		C2034	0CK102CK56A	0603B102K500CT 1nF 10% 50V
		C2035	0CE226VF6DC	VG226M016S0ANC010 22uF 20%
		C2036	0CK104CK56A	0603B104K500CT 100nF 10% 50
		C2054	0CE106WH6DC	MVK5.0TP25VC10M 10uF 20% 25
		C2055	0CK104CK56A	0603B104K500CT 100nF 10% 50
		IC2001	0IMCRFA010A	KA7809R 11.5TO24V 9V 150W D
		IC2002	0IMCRSH001A	PQ05DZ1U 6TO16V 5V 8W D2PAK
		IC2003	0IMCRTI035A	TL592B-8DR +-3TO+-8V - - -
		IC2004	0IMCRFA004A	KA2904DTF 3TO26V_+-1.5TO+-1
		IC2006	0IPRP00538A	FSA1156P6X-NL 1.65TO5.5V 40
		L2001	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L2002	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L2007	0LC2000005K	FI-D2012-223KJT 22UH 10% -
		L2008	0LC2000005K	FI-D2012-223KJT 22UH 10% -
		Q2001	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		R2004	0RJ1002D677	MCR03E2PJ103 10KOHM 5% 1/10
		R2006	0RJ0822D677	MCR03E2PJ820 82OHM 5% 1/10W
		R2007	0RJ1502D677	MCR03E2PJ153 15KOHM 5% 1/10
		R2010	0RJ1001D677	MCR03E2PJ102 1KOHM 5% 1/10W
		R2020	0RJ1001D677	MCR03E2PJ102 1KOHM 5% 1/10W
		R2021	0RJ1001D677	MCR03E2PJ102 1KOHM 5% 1/10W
		R2022	0RJ2201D677	MCR03E2PJ222 2.2KOHM 5% 1/1
		R2023	0RJ1002D677	MCR03E2PJ103 10KOHM 5% 1/10
		R2024	0RJ0512D677	MCR03E2PJ510 51OHM 5% 1/10W
		R2025	0RJ0000D677	MCR03E2PJ000 0OHM 5% 1/10W
		R2040	0RJ2201D677	MCR03E2PJ222 2.2KOHM 5% 1/1
		R2041	0RJ1002D677	MCR03E2PJ103 10KOHM 5% 1/10
		R2042	0RJ0222D677	MCR03E2PJ220 22OHM 5% 1/10W
LIGHT & IR BOARD				
		C3102	0CH3104K566	0805B104K500CT 100nF 10% 50
		C3103	0CH3103K516	C2012Y5P1H103KT 10nF 10% 50
		C3104	0CH3104K566	0805B104K500CT 100nF 10% 50
		C3108	0CH3104K566	0805B104K500CT 100nF 10% 50
		L3101	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L3102	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		L3103	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X
		Q3101	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q3102	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q3103	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q3104	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q3105	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q3106	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q3107	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q3215	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		Q3217	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50
		R3101	0RH2200D622	MCR10EZJ221 220OHM 5% 1/8W
		R3102	0RH2200D622	MCR10EZJ221 220OHM 5% 1/8W
		R3103	0RH2200D622	MCR10EZJ221 220OHM 5% 1/8W
		R3104	0RH2200D622	MCR10EZJ221 220OHM 5% 1/8W
		R3105	0RH2200D622	MCR10EZJ221 220OHM 5% 1/8W
		R3106	0RH2200D622	MCR10EZJ221 220OHM 5% 1/8W
		R3107	0RH2200D622	MCR10EZJ221 220OHM 5% 1/8W
		R3108	0RH0000D622	MCR10EZJ000 0OHM 5% 1/8W 2
		R3109	0RH0000D622	MCR10EZJ000 0OHM 5% 1/8W 2
		R3110	0RH0000D622	MCR10EZJ000 0OHM 5% 1/8W 2
		R3111	0RH0000D622	MCR10EZJ000 0OHM 5% 1/8W 2
		R3112	0RH0000D622	MCR10EZJ000 0OHM 5% 1/8W 2
		R3113	0RH0000D622	MCR10EZJ000 0OHM 5% 1/8W 2

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		R3114	0RH0000D622	MCR10EZJ000 0OHM 5% 1/8W 2
		R3115	0RH0000D622	MCR10EZJ000 0OHM 5% 1/8W 2
		R3116	0RH0000D622	MCR10EZJ000 0OHM 5% 1/8W 2
		R3117	0RH0000D622	MCR10EZJ000 0OHM 5% 1/8W 2
		R3118	0RH0000D622	MCR10EZJ000 0OHM 5% 1/8W 2
		R3119	0RH0000D622	MCR10EZJ000 0OHM 5% 1/8W 2
		R3120	0RH2001D622	MCR10EZJ202 2KOHM 5% 1/8W
		R3121	0RH0000D622	MCR10EZJ000 0OHM 5% 1/8W 2
		R3123	0RH0000D622	MCR10EZJ000 0OHM 5% 1/8W 2
		R3124	0RH0000D622	MCR10EZJ000 0OHM 5% 1/8W 2
		R3125	0RH0000D622	MCR10EZJ000 0OHM 5% 1/8W 2
		R3126	0RH0000D622	MCR10EZJ000 0OHM 5% 1/8W 2
		R3127	0RH0000D622	MCR10EZJ000 0OHM 5% 1/8W 2
		R3128	0RH0000D622	MCR10EZJ000 0OHM 5% 1/8W 2
		R3129	0RH0000D622	MCR10EZJ000 0OHM 5% 1/8W 2
		R3130	0RH0000D622	MCR10EZJ000 0OHM 5% 1/8W 2
		R3131	0RH0000D622	MCR10EZJ000 0OHM 5% 1/8W 2
		R3132	0RH0000D622	MCR10EZJ000 0OHM 5% 1/8W 2
		R3133	0RH0000D622	MCR10EZJ000 0OHM 5% 1/8W 2
		R3134	0RH0000D622	MCR10EZJ000 0OHM 5% 1/8W 2
		R3135	0RH0000D622	MCR10EZJ000 0OHM 5% 1/8W 2
		R3136	0RH0000D622	MCR10EZJ000 0OHM 5% 1/8W 2
		R3137	0RH0000D622	MCR10EZJ000 0OHM 5% 1/8W 2
		R3138	0RH1001D622	MCR10EZJ102 1KOHM 5% 1/8W
		R3139	0RH5600D622	MCR10EZJ561 560OHM 5% 1/8W
		R3141	0RH1001D622	MCR10EZJ102 1KOHM 5% 1/8W
		R3145	0RH5600D622	MCR10EZJ561 560OHM 5% 1/8W
		R3146	0RH1000D622	MCR10EZJ101 100OHM 5% 1/8W
		LED3232	0DL200000CA	SAM5670(DL-2LRG) ROUND 4.8M
		RPE3101	6712000013A	TSOP4438SO1 4.5TO5.5V 1.5MA
		C3101	0CE106VF6DC	VG106M016S0ANB010 10uF 20%
		C3106	0CE475VK6DC	VG475M050S0ANC010 4.7uF 20
		C3107	0CE106VF6DC	VG106M016S0ANB010 10uF 20%
		LED801	0DLBE0158AA	BL-HB535A-AV-TRB SUPER BLUE
		LED802	0DLBE0158AA	BL-HB535A-AV-TRB SUPER BLUE
		LED803	0DLBE0158AA	BL-HB535A-AV-TRB SUPER BLUE
		LED804	0DLBE0158AA	BL-HB535A-AV-TRB SUPER BLUE
		LED805	0DLBE0158AA	BL-HB535A-AV-TRB SUPER BLUE
		LED806	0DLBE0158AA	BL-HB535A-AV-TRB SUPER BLUE
		LED807	0DLBE0158AA	BL-HB535A-AV-TRB SUPER BLUE
SIDE A/V BOARD				
		C2101	0CH6331K416	C2012C0G1H331JT 330pF 5% 50
		C2102	0CH3104K566	0805B104K500CT 100nF 10% 50
		C2104	0CH6331K416	C2012C0G1H331JT 330pF 5% 50
		C2107	0CH6331K416	C2012C0G1H331JT 330pF 5% 50
		L2101	0RH0000D622	MCR10EZJ000 0OHM 5% 1/8W 2
		L2102	0RH0000D622	MCR10EZJ000 0OHM 5% 1/8W 2
		L2103	0RH0000D622	MCR10EZJ000 0OHM 5% 1/8W 2
		L2104	0RH0000D622	MCR10EZJ000 0OHM 5% 1/8W 2
		L2105	0RH0000D622	MCR10EZJ000 0OHM 5% 1/8W 2
		R2103	0RH0752D622	MCR10EZJ750 75OHM 5% 1/8W
		R2104	0RH0222D622	MCR10EZJ220 22OHM 5% 1/8W
		R2105	0RH0752D622	MCR10EZJ750 75OHM 5% 1/8W
		R2106	0RH0222D622	MCR10EZJ220 22OHM 5% 1/8W
		R2107	0RH4703D622	MCR10EZJ474 470KOHM 5% 1/8
		R2109	0RH4703D622	MCR10EZJ474 470KOHM 5% 1/8
		R2111	0RH0752D622	MCR10EZJ750 75OHM 5% 1/8W
		R2113	0RH0752D622	MCR10EZJ750 75OHM 5% 1/8W
		R2115	0RH0752D622	MCR10EZJ750 75OHM 5% 1/8W
		R2116	0RH0472D622	MCR10EZJ470 470OHM 5% 1/8W







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